

AD 664773

U. S. ARMY

HUMAN FACTORS ENGINEERING

BIBLIOGRAPHIC SUPPLEMENT

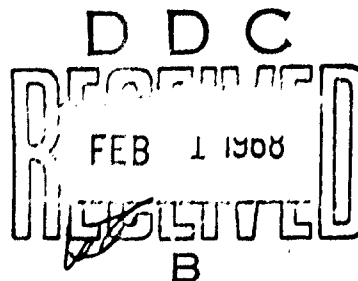
NUMBER 1

A BIBLIOGRAPHY ON THE USE OF INFORMATION THEORY
IN PSYCHOLOGY (1948-1966)

Prepared by

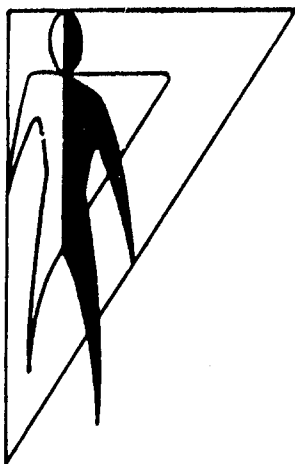
DEPARTMENT OF DEFENSE
HUMAN FACTORS ENGINEERING INFORMATION ANALYSIS CENTER

Institute for Psychological Research
Tufts University



December 1967

HUMAN ENGINEERING LABORATORIES



ABERDEEN PROVING GROUND,
MARYLAND

This document has been approved for public
release and sale; its distribution is unlimited.

HEL Bib Suppl No. 1

HUMAN FACTORS ENGINEERING

BIBLIOGRAPHIC SUPPLEMENT

NUMBER 1

A BIBLIOGRAPHY ON THE USE OF INFORMATION THEORY

IN PSYCHOLOGY (1948-1966)

Prepared by

E. M. Johnson

DEPARTMENT OF DEFENSE
HUMAN FACTORS ENGINEERING INFORMATION ANALYSIS CENTER

Institute for Psychological Research
Tufts University

December 1967

APPROVED:


JOHN D. WEISZ

Technical Director

U. S. Army Human Engineering Laboratories

Prepared under the sponsorship of the
Technical Specifications Office
Systems Research Laboratory
U. S. Army Human Engineering Laboratories
Contract Number DA-18-001-AMC-1004(X)

U. S. ARMY HUMAN ENGINEERING LABORATORIES
Aberdeen Proving Ground, Maryland

This document has been approved for public
release and sale; its distribution is unlimited.

ABSTRACT

This bibliography contains 756 citations of work that has been done relevant to psychology in information theory. Information theory is distinguished from the broader disciplines of communication theory and cybernetics by the use of a particular measure of amount of information.

CONTENTS

ABSTRACT	iii
INTRODUCTION	1
SCOPE	2
CONDUCT OF THE SEARCH	2
DERIVATION OF THE INDEX	3
INDEX	4
FACSIMILE OF SUBJECT MATTER FILE	6

A BIBLIOGRAPHY ON THE USE OF INFORMATION THEORY
IN PSYCHOLOGY (1948-1966)

INTRODUCTION

The first comprehensive treatment of the statistical theory of communication appeared in two papers published by Claude Shannon in 1948 (643). The potential value of information theory to psychology was soon recognized. This recognition was accelerated by Miller and Frick's paper in 1949 (484) outlining some possible applications of information theory in psychology. In the ensuing eighteen years a scattered and heterogeneous literature utilizing information theory to study psychological problems has come into being. Articles relevant to psychology have appeared in over 75 journals and 25 symposia.

Information theory is distinguished from the broader disciplines of communication theory and cybernetics by the use of a particular measure of amount of information, amount of information being measured by the minimum number of binary digits or choices in which an event can be coded. The present bibliography is an attempt to index the literature relevant to psychology which utilizes this measure for the period beginning with Shannon's papers in 1948 and ending in December 1966.

Previous bibliographies of information theory by Baker (50, 51) and Stumpers (674, 675, 676, 677) have been primarily concerned with engineering applications. Luce (438) has compiled the only bibliography primarily concerned with application in psychology and covers the literature through early 1956.

SCOPE

To limit the bibliography to manageable proportions several restrictive criteria for inclusion were used.

First, only articles which use information measures are included. To meet this criterion the article had to be accessible, as the terminology of information theory has proven more popular than information measures. Although several articles could not be tracked down, most of the articles which appeared relevant were located.

Second, all theses and dissertations were excluded.

Third, the foreign literature was not systematically searched and foreign language reports are excluded. However, the British, Canadian, and Japanese (in English) journals were extensively searched.

Fourth, only that part of the engineering, mathematics, and physiology literature which is relevant to applications in psychology was included.

CONDUCT OF THE SEARCH

Psychological Abstracts were screened from January 1949 to June 1967. Approximately 300 articles were retrieved. The search then followed the cyclic process of screening the references of each article included. In addition, the files of the Human Engineering Information and Analysis Service were screened. Over 3000 articles were examined and when the search was terminated, there was about 95 percent overlap in the total references of each new article.

It is estimated that about 90 percent of the relevant literature is included. It is felt that the areas in which the bibliography are weakest are language, speech, and the 1966 literature.

DERIVATION OF THE INDEX

The index was derived from the bibliography and reflects the structure of the literature rather than any theoretical viewpoint. The literature tends to fall into relatively discrete categories. If three or more articles dealt with the same topic a category was created. This resulted in categories of widely disparate size; ranging from Perception/Visual Search with three articles to Perception/Absolute Judgments with 83. Within the major categories, there is no cross-coding between subcategories. The use of categories derived from the bibliography resulted in very little cross-coding between categories (less than 1%).

Coding is by area of application of information theory rather than by substantive content of the article. For example:

McGill, W. Serial effects in auditory threshold judgments.
J. exp. Psychol., 1954, 53, 297-303.

is coded to Perceptual-Motor Skills/Sequential Response Constraints.

To use the bibliography, consult the Index to determine descriptors of interest, then turn to Facsimile of Subject Matter File to locate the report accession numbers pertinent to the descriptor(s).

INDEX

Age

Attention

Clinical

Decision Making & Prediction

General

 Bibliographies

 General

 Miscellaneous

 Nomenclature & Concepts

Language

 General

 Information Measurements

Learning

 Concepts

 Other

 Verbal

Mathematics

 Correlation

 General

 Sampling & Computation

 Tables

Music

Perception

Absolute Judgments

Frequency

General

Miscellaneous

Pattern Recognition

Verbal Recognition

Visual Search

Perceptual-Motor Skills

Choice Reaction Times

General

Keying

Miscellaneous

S-R Compatibility

Sequential Response Constraints

Tracking

Preference

Psychometrics

Retention

Other

Verbal

Semantic & Subjective Information, & Meaning

Small Groups (Structure)

Speech

General

Information Measurements

Perception

FACSIMILE OF SUBJECT MATTER FILE

Age

188, 297, 299, 506, 544, 678, 745, 747

Attention

49, 502, 503, 599, 708, 709, 710, 719

Clinical

6, 7, 94, 106, 216, 250, 403, 408, 493, 495, 581, 584, 619, 713, 726

Decision Making & Prediction

194, 195, 196, 197, 203, 319, 413, 414, 416, 434, 462, 463, 464, 509,
550, 564, 593, 655, 656, 670, 671, 672, 694, 750

General/Bibliographies

50, 51, 438, 674, 675, 676, 677

General/General

35, 55, 97, 98, 99, 100, 104, 130, 131, 132, 133, 134, 135, 136, 166,
252, 265, 267, 281, 283, 293, 294, 327, 328, 337, 341, 351, 361, 401,
438, 440, 446, 459, 474, 498, 519, 525, 552, 585, 586, 587, 590, 591,
592, 594, 600, 643, 704, 705, 712, 738, 751

General/Miscellaneous

102, 108, 116, 148, 188, 384, 385, 398, 407, 443, 448, 452, 547, 567,
607, 614, 662, 696

Nomenclature & Concepts

301, 360, 441, 442, 457, 531, 589, 625, 666, 668

Language/General

53, 137, 138, 257, 332, 436, 449, 473, 476, 483, 543, 623, 754

Language/Information Measurements

2, 3, 57, 59, 60, 77, 78, 82, 85, 105, 114, 121, 122, 126, 149, 187,
225, 265, 269, 300, 354, 439, 445, 448, 485, 489, 490, 501, 524, 526,
527, 533, 545, 601, 603, 624, 644, 645, 649, 661, 695, 711

Learning/Concepts

26, 62, 86, 87, 88, 89, 107, 112, 115, 282, 320, 346, 347, 356, 396,
435, 499, 511, 521, 544, 576, 577, 647, 650, 663, 702, 730, 735, 736

Learning/Other

20, 49, 66, 205, 253, 296, 344, 484, 534, 575, 722

Learning/Verbal

5, 276, 349, 375, 376, 580, 657

Mathematics/Correlation

227, 430, 549, 618, 733, 734

Mathematics/General

64, 75, 207, 275, 368, 404, 427, 453, 454, 456, 458, 602

Mathematics/Sampling & Computation

31, 38, 42, 79, 83, 167, 168, 177, 202, 206, 292, 405, 477, 488, 523,
588, 616, 635

Mathematics/Tables

13, 19, 35, 267, 379, 404, 425, 540

Music

27, 36, 147, 155, 397, 465, 498, 554, 608, 755

Perception/Absolute Judgments

6, 7, 8, 10, 11, 58, 76, 80, 81, 110, 113, 120, 124, 125, 128, 129,
143, 145, 151, 152, 156, 160, 163, 183, 184, 208, 209, 210, 211, 212,
213, 214, 215, 216, 244, 260, 262, 271, 272, 273, 274, 278, 279, 280,
303, 304, 307, 311, 313, 314, 315, 316, 317, 318, 343, 344, 386, 418,
426, 429, 432, 433, 478, 516, 520, 529, 532, 541, 555, 560, 565, 571,
581, 583, 584, 652, 654, 680, 685, 686, 687, 689, 725, 731, 739, 744, 752

Perception/Frequency

201, 217, 218, 219, 220, 221, 302, 305, 365, 612

Perception/General

101, 103, 251, 268, 684

Perception/Miscellaneous

33, 41, 74, 161, 162, 200, 204, 222, 245, 362, 363, 364, 377, 400,
402, 497, 536, 538, 633, 658, 688, 690, 692, 697, 698, 756

Perception/Pattern Recognition

9, 21, 23, 25, 28, 29, 30, 32, 34, 37, 52, 90, 95, 142, 158, 159, 223,
235, 241, 246, 247, 248, 249, 270, 287, 288, 295, 310, 332, 334, 335,
338, 345, 359, 383, 387, 389, 390, 391, 392, 399, 437, 500, 546, 548,
572, 573, 582, 604, 605, 611, 615, 620, 621, 627, 640, 653, 667, 693,
740, 741

Perception/Verbal Recognition

45, 105, 465, 467, 482, 522, 537, 716, 717

Perception/Visual Search

539, 701, 724

Perceptual-Motor Skills/Choice Reaction Times

18, 22, 48, 67, 69, 72, 73, 91, 92, 93, 96, 103, 127, 169, 170, 174,
181, 232, 236, 237, 238, 240, 243, 277, 297, 298, 321, 323, 326, 330,
331, 339, 350, 352, 355, 358, 370, 371, 378, 380, 382, 393, 395, 410,
411, 412, 421, 422, 423, 424, 504, 505, 506, 507, 508, 512, 513, 514,
515, 530, 597, 598, 626, 628, 630, 631, 642, 669, 678, 689, 703, 706,
726, 747

Perceptual-Motor Skills/General

175, 191, 192, 193, 229, 231, 372, 373, 388, 420, 535, 578, 682, 746

Perceptual-Motor Skills/Keying

259, 324, 333, 528, 596, 606, 612, 629, 632

Perceptual-Motor Skills/Miscellaneous

39, 40, 71, 94, 123, 153, 329, 340, 417, 468, 469, 470, 510, 553, 595,
673, 681, 683

Perceptual-Motor Skills/S-R Compatibility

12, 15, 157, 186, 233, 234, 239, 394, 664

Perceptual-Motor Skills/Sequential Response Constraints

43, 46, 71, 141, 146, 212, 250, 403, 419, 428, 455, 570, 634, 636, 637, 638, 639, 719, 720, 721, 723, 727, 732, 742, 743

Perceptual-Motor Skills/Tracking

4, 24, 171, 172, 176, 230, 258, 297, 308, 342, 381, 714, 749

Preference

68, 70, 189, 190, 198, 199, 359, 366, 367, 496, 517, 518, 700, 728, 729

Psychometrics

17, 61, 63, 65, 163, 164, 165, 261, 264, 266, 286, 306, 325, 542, 753

Retention/Other

32, 109, 118, 173, 182, 228, 248, 285, 357, 479, 480, 556, 557, 558, 559, 561, 562, 563, 569, 579, 648, 651

Retention/Verbal

1, 44, 47, 84, 140, 154, 185, 284, 309, 369, 406, 431, 451, 460, 461, 481, 487, 492, 610, 622, 646, 715, 718

Semantic & Subjective Information, & Meaning

54, 56, 139, 144, 312, 336, 348, 374, 444, 617, 696, 599, 737, 748

Small Groups (Structure)

150, 179, 180, 415, 447, 613, 665

Speech/General

117, 178, 224, 472, 473, 475, 551, 609

Speech/Information Measurements

226, 242, 254, 255, 256, 289, 290, 291, 409, 574, 641, 679, 691

Speech/Perception

111, 353, 486, 491, 494, 567, 568, 659, 660, 707

1. Aborn, M. & Rubenstein, H. Information theory and immediate recall. J. exp. Psychol., 1952, 44, 260-266.
2. Aborn, M. & Rubenstein, H. Perception of contextually dependent word-probabilities. Amer. J. Psychol., 1958, 71, 420-422.
3. Aborn, M., Rubenstein, H. & Sterling, T. D. Sources of contextual constraint upon words in sentences. J. exp. Psychol., 1959, 57, 171-180.
4. Adelson, M. Some observations on a delayed feedback self-tracking task. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 365-367.
5. Adelson, M., Muckler, F. A. & Williams, A. C., Jr. Verbal learning and message variables related to amount of information. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 291-304.
6. Agnew, N., Pyke, Sandra & Pylyshyn, Z. W. Information transfer in absolute judgment as a function of noxious stimulation and exposure time. Percept. mot. Skills, 1962, 15, 779-782.
7. Agnew, N. McK., Pyke, Sandra & Pylyshyn, Z. W. Absolute judgement of distance as a function of induced muscle tension, exposure time, and feedback. J. exp. Psychol., 1966, 71, 649-654.
8. Alluisi, E. A. Conditions affecting the amount of information in absolute judgements. Psychol. Rev., 1957, 64, 97-103.
9. Alluisi, E. A. On the use of information measures in studies of form perception. Percept. mot. Skills, 1960, 11, 195-203.
10. Alluisi, E. A. Toward optimizing man's tactile communication. Percept. mot. Skills, 1961, 12, 235-245.
11. Alluisi, E. A. (Ed.). Lineal inclination in encoding information on cathode ray tubes and similar displays. USAF ASD Tech. Rep. 61-741, Dec. 1961, 58pp.
12. Alluisi, E. A. Interaction of S-R compatibility and the rate of gain of information. Percept. mot. Skills, 1965, 20, 815-816.

13. Alluisi, E. A. Tables of binary logarithms, uncertainty functions, and binary log functions. Percept. mot. Skills, 1965, 20, 1005-1012.
14. Alluisi, E. A. & Martin, H. B. An information analysis of verbal and motor responses to symbolic and conventional arabic numerals. J. consult. Psychol., 1958, 22, 79-84. (See also: Comparative information-handling performance with symbolic and conventional arabic numerals; Verbal and motor responses. USAF WADC-TR-57-196, April 1957, 12pp.)
15. Alluisi, E. A. & Muller, P. F., Jr. Verbal and motor responses to seven symbolic codes: A study in S-R compatibility. J. exp. Psychol., 1958, 55, 247-254.
16. Alluisi, E. A., Muller, P. F., Jr. & Fitts, P. M. An information analysis of verbal and motor responses in a forced paced serial task. J. exp. Psychol., 1957, 53, 153-158. (See also: Rate of handling information and the rate of information presentation. USAF WADC tech. Note 55-745, Dec. 1955, 13pp.)
17. Alluisi, E. A. & Sidorsky, R. C. The empirical validity of equal discriminability scaling. J. exp. Psychol., 1958, 55, 86-95.
18. Alluisi, E. A., Strain, G. S. & Thurmond, J. B. Stimulus-response compatibility and the rate of gain of information. Psychon. Sci., 1964, 1, 111-112.
19. Alluisi, E. A. & Webb, Ilse, B. Four-place logarithms to the base 2 of three-digit numbers. USAF WADC tech. Note 56-499, Dec. 1956, 4pp.
20. Anderson, N. H. Effect of first-order conditional probability in a two-choice learning situation. J. exp. Psychol., 1960, 59, 73-93.
21. Anderson, Nancy S. Pattern recognition: A probability approach. In: Wulfeck, J. W. & Taylor, J. H. (Eds.). Form discrimination as related to military problems. National Academy of Sciences-National Research Council Publication 561, 1957, 45-49.
22. Anderson, Nancy S. & Fitts, P. M. Amount of information gained during brief exposures of numerals and colors. J. exp. Psychol., 1958, 56, 362-369.

23. Anderson, Nancy S. & Leonard, J. A. The recognition, naming, and reconstruction of visual figures as a function of contour redundancy. J. exp. Psychol., 1958, 56, 262-270.
24. Annett, J., Golby, C. W. & Kay, J. The measurement of elements in an assembly task: the information output of the human motor system. Quart. J. exp. Psychol., 1958, 10, 1-11.
25. Archer, E. J. Identification of visual patterns as a function of information load. J. exp. Psychol., 1954, 48, 313-317.
26. Archer, E. J., Bourne, L. E. & Brown, F. G. Concept identification as a function of irrelevant information. J. exp. Psychol., 1955, 49, 153-164.
27. Arnheim, R. Information theory: An introductory note. J. aesthetics & art Criticism, 1959, 17, 501-503.
28. Arnoult, M. D. Familiarity and recognition of nonsense shapes. J. exp. Psychol., 1956, 51, 269-276.
29. Arnoult, M. D. & Price, C. W. Pattern matching in the presence of visual voice. J. exp. Psychol., 1961, 62, 372-376.
30. Attneave, F. Some informational aspects of visual perception. Psychol. Rev., 1954, 61, 183-193.
31. Attneave, F. The estimation of transmitted information when conditional probabilities are interdependent. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 118-122.
32. Attneave, F. Symmetry, information, and memory for patterns. Amer. J. Psychol., 1955, 68, 209-222.
33. Attneave, F. Transfer of experience with a class-schema to identification-learning of patterns and shapes. J. exp. Psychol., 1957, 54, 81-88.
34. Attneave, F. Physical determinants of the judged complexity of shapes. J. exp. Psychol., 1957, 53, 221-227.

35. Attneave, F. Applications of information theory to psychology. New York: Holt, Rinehart & Winston, 1959.
36. Attneave, F. Stochastic composition processes. J. aesthetics & art Criticism, 1959, 17, 503-510.
37. Attneave, F. & Arnoult, M. D. The quantitative study of shape and pattern perception. Psychol. Bull., 1956, 53, 452-471.
38. Augenstine, L. G. The use of ILLIAC in determining distributions for information functionals. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 109-115.
39. Augenstine, L. G. Evidences of periodicities in human task performance. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 208-228.
40. Augenstine, L. G. Human performance in information transmission. VI: Evidence of periodicity in information processing. Rep. R 75, Control Systems Lab., University of Illinois, Dec. 1958, 39pp.
41. Augenstine, L. G., Blank, A. A., Quastler, H. & Wayner, M. Human performance in information transmission. IV. Flash recognition of familiar displays. Rep. R 69, Control Systems Lab., University of Illinois, Jan. 1956, 91pp.
42. Augenstine, L. G. & Quastler, H. Empirical fluctuations in information measures. Rep. R-77, Control Systems Lab. University of Illinois, Jan. 1956, 5pp.
43. Baddeley, A. D. Some factors influencing the generation of random letter sequences. Cambridge, England: Applied Psychology Research Unit. Rep. A.P.U. 422/62, March 1962, 11pp.
44. Baddeley, A. D. Immediate memory and the "perception" of letter sequences. Quart. J. exp. Psychol., 1964, 16, 364-367.
45. Baddeley, A. D. The redundancy of letter-sequences and space information. Amer. J. Psychol., 1964, 77, 322.

46. Baddeley, A. D. The capacity for generating information by randomization. Quart. J. exp. Psychol., 1966, 18, 119-129.
47. Baddeley, A. D., Conrad, R. & Hull, A. J. Predicatability and immediate memory for consonant sequences. Quart. J. exp. Psychol., 1965, 17, 175-177.
48. Bahrick, H. P. & Noble, M. On stimulus and response discriminability. J. exp. Psychol., 1961, 61, 449-454.
49. Bahrick, H. P. & Shelly, C. Time sharing as an index of automatization. J. exp. Psychol., 1958, 56, 288-293.
50. Baker, Alma S. Bibliography of information theory. Newton, Mass.: Engineering Library, Raytheon Manufacturing Co., March 1953, 54pp. (AD No. 9147)
51. Baker, Alma S. Bibliography of information theory-supplement. Newton, Mass.: Engineering Library, Raytheon Manufacturing Co., July 1954, 32pp. (AD No. 39726).
52. Baker, E. Jo & Alluisi, E. A. Information handling aspects of visual and auditory form perception. J. eng. Psychol., 1962, 1, 159-179.
53. Banerji, R. B. Phrase structure languages, finite machines, and channel capacity. Info. Control, 1963, 6, 153-162.
54. Bar-Hillel, Y. Semantic information and its measures. In Bar-Hillel, Y. Language and information. Reading: Addison-Wesley, 1964, 298-310. (First appeared in Transactions of the tenth conference on cybernetics. New York: Josiah Macy, Jr. Foundation, 1952, 33-48).
55. Bar-Hillel, Y. An examination of information theory. Phil. Sci., 1955, 22, 86-105. (Reprinted in Bar-Hillel, Y. Language and information. Reading: Addison-Wesley, 1964, 275-297.)
56. Bar-Hillel, Y. & Carnap, R. Semantic information. In Jackson, W. (Ed.). Communication theory. New York: Academic Press, 1953, 503-512. (For a revised version see Brit. J. Phil. Sci., 1953, 4, 147-157.)
57. Barnard, G. A., III. Statistical calculation of word entropies for four western languages. IRE trans. on info. Theory, 1955, IT-1, 49-53.

58. Beebe-Center, J. G., Rogers, M. S. & O'Connell, D. N. Transmission of information about sucrose and saline solutions through the sense of taste. J. Psychol., 1955, 39, 157-160.
59. Bell, D. A. The "internal information" of English words. In Jackson, W. (Ed.) Communication theory. New York: Academic Press, 1953, 383-389.
60. Bell, D. A. & Ross, A. S. C. Negative entropy of Welsh words. In Cherry, C. (Ed.) Information theory - third London symposium. London: Butterworths, 1956, 149-153.
61. Bendig, A. W. The reliability of self-ratings as a function of the amount of verbal anchoring and of the number of categories on the scale. J. appl. Psychol., 1953, 37, 38-41.
62. Bendig, A. W. Twenty questions: An information analysis. J. exp. Psychol., 1953, 46, 345-348.
63. Bendig, A. W. Transmitted information and the length of rating scales. J. exp. Psychol., 1954, 47, 303-308.
64. Bendig, A. W. An application of information theory to a problem in multiple prediction. Psychol. Newsletter, 1959, 10, 148-150.
65. Bendig, A. W. & Hughes, J. B. Effect of amount of verbal anchoring and number of rating-scale categories upon transmitted information. J. exp. Psychol., 1953, 46, 87-90.
66. Bennett, W. F., Fitts, P. M. & Noble, M. The learning of sequential dependencies. J. exp. Psychol., 1954, 48, 303-312.
67. Berlyne, D. E. Uncertainty and conflict: A point of contact between information-theory and behavior-theory concepts. Psychol. Rev., 1957, 64, 329-339.
68. Berlyne, D. E. Conflict and information-theory variables as determinants of human perceptual curiosity. J. exp. Psychol., 1957, 53, 399-404.
69. Berlyne, D. E. Conflict and choice time. Brit. J. Psychol., 1957, 48, 106-118.
70. Berlyne, D. E. Uncertainty and epistemic curiosity. Brit. J. Psychol., 1962, 53, 27-34.

71. Berry, C., Geldor, M. G. & Summerfeld, A. Experimental analysis of drug effects on human performance using information theory concepts. Brit. J. Psychol., 1965, 56, 255-265.
72. Bertelson, P. Sequential redundancy and speed in a serial two-choice responding task. Quart. J. exp. Psychol., 1961, 13, 90-102.
73. Bertelson, P. & Barzeale, J. Interaction of time-uncertainty and relative signal frequency in determining choice reaction time. J. exp. Psychol., 1965, 70, 448-451.
74. Binder, A. A statistical model for the process of visual recognition. Psychol. Rev., 1955, 62, 119-129.
75. Binder, A. & Wolin, B. R. Information models and their uses. Psychometrika, 1964, 29, 29-54.
76. Bishop, H. P. & Crock, M. N. Absolute identification of color for targets presented against white and colored backgrounds. USAF WADD-TR-60-611. March 1961, 42pp.
77. Black, J. W. The information of sounds and phonetic diagrams of one- and two-syllable words. J. speech hear. Disord., 1954, 19, 397-411. (See also: The information of sounds and phonetic digrams of one- and two-syllable words. USN School of Aviation Medicine Joint Rep. NM 001 064 01, Rep. No. 22, 1954, 18pp.)
78. Black, J. W. Predicting the content of short phrases. Quart. J. Speech, 1959, 45, 299-303.
79. Blank, A. A. & Quastler, H. Notes on the estimation of information measures. Rep. R-56, Control Systems Lab., University of Illinois, May 1954, 36pp.
80. Bliss, J. C. Some aspects of tactile-kinesthetic coding. In Linsner, J. W. (Ed.) Proceedings of the mobility research conference. New York: American Foundation for the Blind, 1962, 139-158.
81. Bliss, J. C. Tactual-kinesthetic perception of information. In Clark, L. L. (Ed.) Proceedings of the international congress on technology and blindness. New York: American Foundation for the Blind, 1963, 309-323.
82. Bluhme, H. Three-dimensional crossword puzzles in Hebrew. Info. Control, 1963, 6, 306-309.

83. Blyth, C. R. Note on estimating information. Ann. Math. Stat., 1959, 30, 71-79.
84. Bogartz, R. S. & Carterette, E. C. Free recall of redundant strings of symbols by children. J. exp. Psychol., 1963, 66, 399-408.
85. Bourne, C. P. & Ford, D. F. A study of the statistics of letters in English words. Info. Control, 1961, 4, 48-67.
86. Bourne, L. E., Jr. Effects of delay of information feedback and task complexity on the identification of concepts. J. exp. Psychol., 1957, 54, 201-207.
87. Bourne, L. E., Jr. & Haygood, R. C. The role of stimulus redundancy in concept identification. J. exp. Psychol., 1959, 58, 232-238.
88. Bourne, L. E., Jr. & Haygood, R. C. Supplementary report: Effect of redundant relevant information upon identification of concepts. J. exp. Psychol., 1961, 61, 259-260.
89. Bourne, L. E., Jr. & Pendleton, R. B. Concept identification as a function of completeness and probability of information feedback. J. exp. Psychol., 1958, 56, 413-420.
90. Boynton, R. M. & Bush, W. R. Recognition of forms against a complex background. J. opt. Soc. Amer., 1956, 46, 758-764.
91. Brainard, R. W., Irby, T. S., Fitts, P. M. & Alluisi, E. A. Some variables influencing the rate of gain of information. J. exp. Psychol., 1962, 63, 105-110.
92. Brebner, J. & Gordon, I. Ensemble size and selective response times with a constant signal rate. Quart. J. exp. Psychol., 1962, 14, 113-116.
93. Brebner, J. & Gordon, I. The influence of signal probability and the number of non-signal categories on selective response times. Quart. J. exp. Psychol., 1964, 16, 56-61.
94. Brenner, Marcia S., Feldstein, S. & Jaffe, J. The contribution of statistical uncertainty and test anxiety to speech disruption. J. verb. Learn. verb. Behav., 1965, 4, 300-305.
95. Bracker, P. D. The identification of redundant stimulus patterns. J. exp. Psychol., 1955, 49, 73-81.

96. Bricker, P. D. Information measurement and reaction time. In Quastler, H. (Ed.) Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 350-359.
97. Broadbent, D. E. The concept of capacity and the theory of behavior. In Cherry, C. (Ed.) Information theory - third London Symposium. London: Butterworths, 1956, 354-359.
98. Broadbent, D. E. Perception and communication. New York: Pergamon, 1958.
99. Broadbent, D. E. Information theory and older approaches in psychology. In Proceedings of the 15th international congress of psychology. Amsterdam: North Holland Publishing Co., 1959, 111-115.
100. Broadbent, D. E. Signal transmission: Factors within the human operator in communication. In Geldard, F. (Ed.) Communication processes. New York: Pergamon, 1965, 63-74.
101. Broadbent, D. E. Information theory and perception. Gawein, 1965, 13, 369-379.
102. Broadbent, D. E. Information processing in the nervous system. Science, 1965, 150, 457-462.
103. Broadbent, D. E. Applications of information theory and decision theory to human perception and reaction. In N. Wiener & J. P. Schadi (Eds.) Progress in brain research, Vol. 17. Amsterdam: Elsevier, 1965, 309-320.
104. Brody, A. L. & Weinstock, S. Mathematical theories in performance, decision making, and learning. USAF MRL-TDR-62-76, July 1962. (Information theories as applied to psychological problems, 16-58).
105. Broerse, A. C. & Zwart, E. J. The information value of initial letters in the identification of words. J. verb. Learn. verb. Behav., 1966, 5, 441-446.
106. Brosin, H. W. Information theory and clinical medicine (psychiatry). In McMillan, B., Grant, D. A., Fitts, P. M., et al. Current trends in information theory. Pittsburgh: University of Pittsburgh Press, 1953, 140-188.
107. Brown, F. G. & Archer, E. J. Concept identification as a function of task complexity and distribution of practice. J. exp. Psychol., 1956, 52, 316-321.

108. Brown, I. D. Many messages from few sources. Ergonomics, 1960, 3, 159-168.
109. Brown, J. Information, redundancy and decay of the memory trace. In Teddington National Physical Laboratory Symposium No. 10. Mechanization of thought processes. Vol. II. London: Her Majesty's Stationery Office, 1959, 729-745. (Discussion pp. 747-752).
110. Brown, R. L., Galloway, W. D. & Gildersleeve, K. R. Effects of intense noise on processing of cutaneous information of varying complexity. Percept. mot. Skills, 1965, 20, 749-754.
111. Bruce, D. J. Effects of context upon intelligibility of heard speech. In Cherry, C. (Ed.) Information theory - third London symposium. London: Butterworths, 1956, 245-252.
112. Brush, F. R. Stimulus uncertainty, response uncertainty and problem solving. Canad. J. Psychol., 1956, 10, 239-247.
113. Buckner, D. N. & Harabedian, A. Human information transmission as a function of selected visual and auditory dimensions. Los Angeles: Human Factors Research, Inc., Contract Nonr 24536(00) NR 145-120, July 1961, 29pp. (AD No. 262119).
114. Burton, N. G. & Licklider, J. C. R. Long-range constraints in the statistical structure of printed English. Amer. J. Psychol., 1955, 68, 650-653.
115. Byers, J. L. Information rate in concept attainment. Psychol. Rep., 1964, 15, 111-117.
116. Cadoret, R. J. Some applications of information theory to card-calling performance in ESP. J. gen. Psychol., 1961, 65, 89-107.
117. Cambell, D. T. Systematic error on the part of human links in communication systems. Info. Control, 1958, 1, 334-369.
118. Carroll, B. L. & Leopold, F. F. Human code transmission. Letters and digits compared on the basis of immediate memory error rates. Ergonomics, 1963, 6, 133-141.
119. Carnap, R. & Bar-Hillel, Y. An outline of a theory of semantic information. Tech. Rep. No. 247, Research Laboratory of Electronics, Massachusetts Institute of Technology, Oct. 1952, 48pp. (Reprinted in Bar-Hillel, Y. Language and information. Reading: Addison-Wesley, 1964, 221-274.)

120. Carr, W. J. & Garner, W. R. The maximum precision of reading fine scales. J. Psychol., 1952, 34, 85-94.
121. Carson, D. H. Letter constraints within words in printed English. Kybernetik, 1961, 1, 46-54.
122. Carterette, E. C. & Jones, Margaret H. Redundancy in children's texts. Science, 1963, 140, 1309-1311.
123. Chambers, R. W. & Bartlett, N. R. A device for research in human information processing capacity. Percept. mot. Skills, 1962, 15, 343-350.
124. Chaney, R. B., Jr. & Webster, J. C. Information in certain multidimensional acoustic signals. USN NEL Rep. 1339, Dec. 1965, 52pp.
125. Chaney, R. B., Jr. & Webster, J. C. Information in certain multidimensional sounds. J. acoust. Soc. Amer., 1966, 40, 447-455.
126. Chapanis, A. The reconstruction of abbreviated printed messages. J. exp. Psychol., 1954, 48, 496-510.
127. Chapanis, A. A rate of making complex decisions. Amer. J. Psychol., 1957, 70, 650-652.
128. Chapanis, A. & Halsey, Rita M. Absolute judgments of spectrum colors. J. Psychol., 1956, 42, 99-103.
129. Chapanis, A. & Leyzorek, M. Accuracy of visual interpolation between scale markers as a function of the number assigned to the scale interval. J. exp. Psychol., 1950, 40, 655-667.
130. Cherry, C. (Ed.). Information theory - third London symposium. London: Butterworths, 1956.
131. Cherry, C. (Ed.). Information theory - fourth London symposium. London: Butterworths, 1961.
132. Cherry, E. C. The communication of information (An historical review). Amer. Scientist, 1952, 40, 640-664. (Also in IRE trans. on info. Theory, 1953, PGIT-1, 22-43.)
133. Cherry, E. C. Information, feedback and the human senses. Trans. Soc. inst. Tech., 1955, 7, 81-89. (Discussion pp. 86-89).

134. Cherry, E. C. On the validity of applying communication theory to experimental psychology. Brit. J. Psychol., 1957, 48, 176-188. (See also: On the validity of application of communication theory to human operator problems. In Draper, J. (Ed.) The application of information theory to human operator problems. W. R. (D) Rep. No. 2/56, Ministry of Supply, England, 1956, 40-49.)
135. Cherry, E. C. On human communication: A review, a survey, and a criticism. New York: Wiley, 1957.
136. Cherry, E. C. The communication of information. Endeavor, 1964, 23, 13-17.
137. Cherry, E. C., Halle, M. & Jacobson, R. Toward a logical description of languages in their phonemic aspects. Language, 1953, 29, 34-46.
138. Chomsky, N. Finite state languages. Info. Control, 1958, 1, 91-112.
139. Clark, H. H. Some structural properties of simple active and passive sentences. J. verb. Learn. verb. Behav., 1965, 4, 365-370.
140. Clark, H. H. The prediction of recall patterns in simple active sentences. J. verb. Learn. verb. Behav., 1966, 5, 99-106.
141. Clarke, F. R. Confidence ratings, second-choice responses and confusion matrices in intelligibility tests. J. acoust. Soc. Amer., 1960, 32, 35-46.
142. Clement, D. E. Uncertainty and latency of verbal naming responses as correlates of pattern goodness. J. verb. Learn. verb. Behav., 1964, 3, 150-157.
143. Cohen, J. Binocular disparity as a coding dimension for pictorial instrument and radar displays. USAF WADC-TR-55-393, Dec. 1955, 22pp.
144. Cohen, J. & Cooper, P. Subjective value of a "bit" of information. Nature, 1962, 196, p360.
145. Cohen, J. & Dinnerstein, A. J. Flash rate as a visual coding dimension for information. USAF WADC-TR-57-64, May 1958, 13pp.
146. Cohen, J. & Senders, Virginia I. The effects of absolute and conditional probability distributions on instrument reading. III: A comparison of a linear scale and two scales with expanded central portions. USAF WADC-TR-57-65, March 1958, 14pp.

147. Cohen, J. E. Information theory and music. Behav. Sci., 1962, 7, 137-163.
148. Colby, B. N. Behavioral redundancy. Behav. Sci., 1958, 3, 317-322.
149. Coleman, E. B. Approximations to English: Some comments on the method. Amer. J. Psychol., 1963, 76, 239-247.
150. Coleman, J. S. The mathematical study of small groups. In Solomon, H. (Ed.) Mathematical thinking in the measurement of behavior. Glencoe, Illinois: Free Press, 1960, 4-149.
151. Conover, D. W. The amount of information in the absolute judgement of Munsell hues. USAF WADC-TN-58-262, June 1959, 48pp.
152. Conover, D. W. & Kraft, C. L. The use of color in coding displays. USAF WADC-TR-55-471, Oct. 1958, 16pp.
153. Conrad, R. Practice, familiarity and reading rate for words and nonsense syllables. Quart. J. exp. Psychol., 1962, 14, 71-76.
154. Conrad, R. & Hull, A. J. Information acoustic confusion and memory span. Brit. J. Psychol., 1964, 55, 429-432.
155. Coons, E. & Kraehenbuehl, D. Information as a measure of structure in music. J. music Theory, 1958, 2, 127-161.
156. Corso, J. F. Absolute judgments of musical tonality. J. acoust. Soc. Amer., 1957, 29, 138-144.
157. Costa, L. D., Horwitz, M. & Vaughan, H. G., Jr. Effects of stimulus uncertainty and S-R compatibility on speed of digit coding. J. exp. Psychol., 1966, 72, 895-900.
158. Coules, J., Avery, D. L. & Meskil, A. Information transmission in a pattern discrimination task as a function of initial task difficulty. Percept. mot. Skills, 1965, 21, 927-937.
159. Coules, J., Duva, J. S. & Ganem, G. Effect of visual noise on the judgment of complex forms. USAF AFCCDD-TR-60-40, 1960, 19pp.
160. Cramer, E. M. Long-term effects of experience on judgments of loudness. Percept. mot. Skills, 1962, 14, 271-280.

161. Crawford, A. The perception of light signals: The effect of the number of irrelevant lights. Ergonomics, 1962, 5, 417-428.
162. Crawford, A. The perception of light signals: The effect of mixing flashing and steady irrelevant lights. Ergonomics, 1963, 6, 287-294.
163. Creelman, D. C. Discriminability and scaling of linear extent. J. exp. Psychol., 1965, 70, 192-200.
164. Cronbach, L. J. A consideration of information theory and utility theory as tools for psychometric problems. Tech. Rep. No. 1, Bureau of Research and Service, College of Education, University of Illinois, Nov. 1953, 65pp.
165. Cronbach, L. J. Information theory for psychometric analysis. Final Rep. Contract W6Ori-07146, Project No. 150-121. Urbana, Ill.: College of Education, University of Illinois, Sept. 1955, 6pp. (AD No. 75995)
166. Cronbach, L. J. On the non-rational application of information measures in psychology. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 14-26.
167. Cronholm, J. N. A two-variable generating function for computing the sampling probabilities of a class of widely used statistics. USA MRL Rep. No. 574, June 1963, 4pp.
168. Cronholm, J. N. A general method of obtaining exact sampling probabilities of the Shannon-Wiener measure of information, II. Psychometrika, 1963, 28, 405-415. (See also USA MRL Rep. No. 575, June 1963, 9pp.).
169. Crossman, E. R. F. W. Entropy and choice time: The effect of frequency unbalance on choice-response. Quart. J. exp. Psychol., 1953, 5, 41-51.
170. Crossman, E. R. F. W. The measurement of discriminability. Quart. J. exp. Psychol., 1955, 7, 176-195.
171. Crossman, E. R. F. W. The information-capacity of the human operator in symbolic and non-symbolic processes. In Draper, J. (Ed.). The application of information theory to human operator problems. W. R. (D) Rep. No. 2/56, Ministry of Supply, England, 1956, 4-13.

172. Crossman, E. R. F. W. The information-capacity of the human motor system in pursuit tracking. Quart. J. exp. Psychol., 1960, 12, 1-16.
173. Crossman, E. R. F. W. Information and serial order in human immediate memory. In Cherry, C. (Ed.) Information theory - fourth London symposium. London: Butterworths, 1961, 147-159.
174. Crossman, E. R. F. W. Reply to Dr. I. M. Hughes. Quart. J. exp. Psychol., 1964, 16, 181-183.
175. Crossman, E. R. F. W. Information processes in human skill. Brit. med. Bull., 1964, 20, 32-37.
176. Crossman, E. R. F. W. A reply to Dr. Max Hammerton. Quart. J. exp. Psychol., 1965, 17, 264-266.
177. David, H. T., Kruskal, W. H., Augenstine, L. & Quastler, H. Approximate distributions of sample information for use in estimating true information by confidence intervals. Rep. R-76, Control Systems Lab., University of Illinois, 1956, 37pp.
178. Davis, H. Applications of information theory to research in hearing. J. speech hear. Disord., 1952, 17, 189-197.
179. Davis, J. H. The preliminary analysis of emergent social structure in groups. Psychometrika, 1963, 28, 189-198.
180. Davis, J. H. & Restle, F. The analysis of problems and the prediction of group problem solving. J. abnorm. soc. Psychol., 1963, 66, 103-114.
181. Davis, R., Moray, N. & Triesman, Anne. Imitative responses and the rate of gain of information. Quart. J. exp. Psychol., 1961, 13, 78-89.
182. Davis, R., Sutherland, N. S. & Judd, B. R. Information content in recognition and recall. J. exp. Psychol., 1961, 61, 422-429.
183. Dees, J. W. Relative contributions of convergence and retinal disparity in the stereopsis cue of size and distance. Percept. mot. Skills, 1966, 23, 645-646.
184. Dees, J. W. Accuracy of absolute visual distance and size estimation in space as a function of stereopsis and motion parallax. J. exp. Psychol., 1966, 72, 466-476.

185. Deese, J. & Kaufman, R. A. Serial effects in recall of unorganized and sequentially organized verbal material. J. exp. Psychol., 1957, 54, 180-187.
186. Deininger, R. L. & Fitts, P. M. Stimulus-response compatibility, information theory, and perceptual-motor performance. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 316-341.
187. Deutsch, S. A note on some statistics concerning type-written or printed material. IRE trans. on info. Theory, 1957, IT-3, 147-148.
188. DiVesta, F. J. A simplex analysis of changes with age in responses to a restricted word-association task. J. verb. Learn. verb. Behav., 1964, 3, 505-510.
189. Dorfman, D. D. Esthetic preference as a function of pattern information. Psychon. Sci., 1965, 3, 85-86.
190. Dorfman, D. D. & McKenna, Helen. Pattern preference as a function of pattern uncertainty. Canad. J. Psychol., 1966, 20, 143-153.
191. Draper, J. An introduction to information theory with reference to the human operator. Paper presented at the conference: The human operator in control systems. England: Royal Military College of Science, Sept. 1954, 19pp. (AD No. 73361)
192. Draper, J. A note supplementary to "An introduction to information theory, with reference to the human operator." Circa 1954, 4pp. (AD No. 73362)
193. Draper, J. (Ed.). The application of information theory to human operator problems. W.R. (D) Rep. No. 2/56, Ministry of Supply, England, 1956, 91pp.
194. Driscoll, J. M. & Lanzetta, J. T. Effects of problem uncertainty and prior arousal on pre-decisional information search. Psychol. Rep., 1964, 14, 975-988.
195. Driscoll, J. M. & Lanzetta, J. T. Effects of two sources of uncertainty in decision making. Psychol. Rep., 1965, 17, 635-648.

196. Driscoll, J. M. & Lanzetta, J. T. Overtly noninstrumental information search as a function of outcome uncertainty and delay. In Proceedings of the 73rd annual convention of the American psychological association. Washington, D. C.: American Psychological Association, 1965, 15-16.
197. Driscoll, J. M., Tognoli, J. J. & Lanzetta, J. T. Choice and subjective uncertainty in decision making. Psychol. Rep., 1966, 18, 427-432.
198. Eckblad, G. The attractiveness of uncertainty. Scand. J. Psychol., 1963, 4, 1-13.
199. Eckblad, G. The attractiveness of uncertainty II. Effect of different rates of reduction in the level of uncertainty. Scand. J. Psychol., 1964, 5, 33-49.
200. Edmonds, E. M. & Evans, S. H. Schema learning without a prototype. Psychon. Sci., 1966, 5, 247-248.
201. Edwards, E. The integration of spaced signals. Ergonomics, 1963, 6, 143-152.
202. Edwards, W. Methods for computing uncertainties. Amer. J. Psychol., 1954, 67, 164-170.
203. Edwards, W. Reward probability, amount, and information as determiners of sequential two-alternative decisions. J. exp. Psychol., 1956, 52, 177-188.
204. Edwards, W. Information and autokinetic movement. J. exp. Psychol., 1959, 57, 89-90.
205. Edwards, W. Probability learning in 1000 trials. J. exp. Psychol., 1961, 62, 385-394.
206. Edwards, W. Measures of information based on overlapping counts for studying sequential dependencies. Amer. J. Psychol., 1962, 75, 311-316.
207. Ellison, D. G. A method for technological predictions. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 31-50.
208. Engen, T. & Pfaffman, C. Absolute judgements of odor intensity. J. exp. Psychol., 1959, 58, 23-26.

209. Engen, T. & Pfaffman, C. Absolute judgements of odor quality. J. exp. Psychol., 1960, 59, 214-219.
210. Eriksen, C. W. Multidimensional stimulus differences and accuracy of discrimination. USAF WADC tech. Rep. 54-165, June 1954, 11pp.
211. Eriksen, C. W. Effects of practice with and without correction upon discrimination learning under absolute conditions. USAF WADC-TR-57-71, Feb. 1957, 16pp.
212. Eriksen, C. W. Prediction from and interaction among multiple concurrent discriminative responses. J. exp. Psychol., 1957, 53, 353-359.
213. Eriksen, C. W. & Hake, H. W. Absolute judgements as a function of stimulus range and number of stimulus and response categories. J. exp. Psychol., 1955, 49, 323-332. (See also: USAF WADC-TR-54-162, April 1954, 15.)
214. Eriksen, C. W. & Hake, H. W. Multidimensional stimulus differences and accuracy of discrimination. J. exp. Psychol., 1955, 50, 153-160.
215. Eriksen, C. W. & Hake, H. W. Anchor effects in absolute judgments. J. exp. Psychol., 1957, 53, 132-138. (See also: USAF WADC-TR-56-144, Jan. 1956, 12pp.)
216. Eriksen, C. W. & Wechsler, S. Some effects of experimentally induced anxiety upon discrimination behavior. J. abnorm. soc. Psychol., 1955, 51, 458-463.
217. Erlick, D. E. The ability to filter noise from a visual task when the noise and signal are presented sequentially. J. exp. Psychol., 1962, 63, 111-114.
218. Erlick, D. E. Perception of the most frequent category of a random series as a function of the number of categories. J. exp. Psychol., 1962, 63, 115-118.
219. Erlick, D. E. Effects of grouping of stimuli on the perception of relative frequency. J. exp. Psychol., 1963, 66, 314-316.
220. Erlick, D. E. Effects of method of displaying categories on the perception of relative frequency. J. exp. Psychol., 1963, 66, 316-318.

221. Erlick, D. E. Absolute judgements of discrete quantities randomly distributed over time. J. exp. Psychol., 1964, 67, 475-482.
222. Evans, S. H. & Edmonds, E. M. Schema discrimination as a function of training. Psychon. Sci., 1966, 5, 303-304.
223. Evans, S. H. & Mueller, M. R. Vargus 9: Computed stimuli for schema research. Psychon. Sci., 1966, 6, 511-512.
224. Fano, R. M. The information theory point of view in speech communication. J. acoust. Soc. Amer., 1950, 22, 691-696.
225. Feedle, R. O. Response bias in a modified Shannon guessing game. In Proceedings of the 73rd annual convention of the American psychological association. Washington, D. C.: A American Psychological Association, 1965, 11-12.
226. Felton, W. W., Fritz, E. L. & Grier, G. W., Jr. Communication measurements at the Langley Air Force Base during November and December 1951. USAF HRRL Rep. 31, Nov. 1952, 85pp.
227. Phaner, S. Some comments in connection with Rozeboom's linear correlation theory. Psychometrika, 1966, 31, 267-269.
228. Field, W. H. & Lachman, R. Information transmission (1) in recognition and recall as a function of alternatives (K). J. exp. Psychol., 1966, 72, 785-791.
229. Fitts, P. M. The influence of response coding on performance in motor tasks. In McMillan, B., Grant, D. A., Fitts, P. M., et al. Current trends in information theory. Pittsburgh: University of Pittsburgh Press, 1953, 47-75.
230. Fitts, P. M. The information capacity of the human motor system in controlling the amplitude of movement. J. exp. Psychol., 1954, 47, 381-391.
231. Fitts, P. M. Human information handling in speeded tasks. IBM Research Rep. RC 109, 1959, 57pp.

232. Fitts, P. M. Cognitive aspects of information processing: III. Set for speed versus accuracy. J. exp. Psychol., 1966, 71, 849-857.
233. Fitts, P. M. & Biederman, I. S-R compatibility and information reduction. J. exp. Psychol., 1965, 69, 408-412.
234. Fitts, P. M. & Deininger, R. L. S-R compatibility: correspondence among paired elements within stimulus and response codes. J. exp. Psychol., 1954, 48, 483-491.
235. Fitts, P. M. & Leonard, J. A. Stimulus correlates of visual pattern recognition--A probability approach. Final Rep. Contract Nonr-495(02), RF Project 482. Columbus, Ohio: Ohio State University, Oct. 1957, 41pp.
236. Fitts, P. M. & Peterson, J. R. Information capacity of discrete motor responses. J. exp. Psychol., 1964, 67, 103-112.
237. Fitts, P. M., Peterson, J. R. & Wolpe, G. Cognitive aspects of information processing: II. Adjustments to stimulus redundancy. J. exp. Psychol., 1963, 65, 423-432.
238. Fitts, P. M. & Radford, B. K. Information capacity of discrete motor responses under different cognitive sets. J. exp. Psychol., 1966, 71, 475-482.
239. Fitts, P. M. & Seeger, C. M. S-R compatibility: Spatial characteristics of stimulus and response codes. J. exp. Psychol., 1953, 46, 199-210.
240. Fitts, P. M. & Switzer, G. Cognitive aspects of information processing: I. The familiarity of S-R sets and subsets. J. exp. Psychol., 1962, 63, 321-329.
241. Fitts, P. M., Weinstein, M., Rappaport, M., Anderson, N., & Leonard, J. A. Stimulus correlates of visual pattern recognition: A probability approach. J. exp. Psychol., 1956, 51, 1-11.
242. Flanagan, J. L. Bandwidth and channel capacity necessary to transmit the format information of speech. J. acoust. Soc. Amer., 1956, 28, 592-596.
243. Forrin, B. & Morin, R. E. Effect of contextual associations upon selective reaction time in a numeral-naming task. J. exp. Psychol., 1966, 71, 40-46.

244. Foulke, E., Coates, G. D. & Alluisi, E. A. Decoding of electrocutaneous signals: Effects of dimensionality on rates of information transmission. Percept. mot. Skills, 1966, 23, 295-302.
245. Fraisse, P. & Blancheteau, M. The influence of the number of alternatives on the perceptual recognition threshold. Quart. J. exp. Psychol., 1962, 14, 52-55.
246. French, R. S. The accuracy of discrimination of dot patterns as a function of the angular orientation of the stimuli. USAF HRRC Res. Bull. 53-3, March 1953, 17pp.
247. French, R. S. The discrimination of dot patterns as a function of number and average separation of dots. J. exp. Psychol., 1953, 46, 1-9.
248. French, R. S. Identification of dot patterns from memory as a function of complexity. J. exp. Psychol., 1954, 47, 22-26.
249. French, R. S. Pattern recognition in the presence of visual noise. J. exp. Psychol., 1954, 47, 27-31.
250. Frick, F. C. The effect of anxiety -- A problem in measurement. J. comp. physiol. Psychol., 1953, 46, 120-123.
251. Frick, F. C. Some perceptual problems from the point of view of information theory. In McMillan, B., Grant, D. A., Fitts, P. M., et al. Current trends in information theory. Pittsburgh: University of Pittsburgh Press, 1953, 76-91.
252. Frick, F. C. Information theory. In Koch, S. (Ed.). Psychology: A study of science. Vol. 2: General systematic formulations, learning, and special processes. New York: McGraw-Hill, 1959, 611-636.
253. Frick, F. C. & Miller, G. A. A statistical description of operant conditioning. Amer. J. Psychol., 1951, 64, 20-36.
254. Frick, F. C. & Sumbly, W. H. Control tower language. J. acoust. Soc. Amer., 1952, 24, 595-597.

255. Fritz, E. L. & Grier, G. W., Jr. Empirical entropy: A study of information flow in air traffic control. Rep. R-54, Control Systems Lab., University of Illinois, March 1954, 21pp.
256. Fritz, E. L. & Grier, G. W., Jr. Pragmatic communication. In Quastler, H. (Ed.) Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 232-243.
257. Fuchs, W. Mathematical theory of word formation. In Cherry, C. (Ed.) Information theory - third London symposium. London: Butterworths, 1956, 154-168.
258. Gainer, P. A. Measured information capacity as a performance index in manual tracking tasks. In Second annual NASA-University conference on manual control. NASA SP-128, 1966, 131-133.
259. Gallo, P. S., Jr. & Levine, J. R. Human factors in the design of an observer's keyset. USN NEL Rep. 1411, Oct. 1966, 36pp.
260. Ganem, G. P. Absolute judgments of velocity. USAF-ESD-TDR-62-37, May 1962, 13pp.
261. Garner, W. R. An equal discriminability scale for loudness judgments. J. exp. Psychol., 1952, 43, 232-238.
262. Garner, W. R. An informational analysis of absolute judgments of loudness. J. exp. Psychol., 1953, 46, 373-380.
263. Garner, W. R. Symmetric uncertainty analysis and redundancy of printed English. Proc. 15th Int. Cong. Psychol., Brussels, 1957, 104-110.
264. Garner, W. R. Advantages of the discriminability criterion for a loudness scale. J. acoust. Soc. Amer., 1958, 30, 1005-1012.
265. Garner, W. R. Symmetric uncertainty analysis and its implications for psychology. Psychol. Rev., 1958, 65, 183-196.
266. Garner, W. R. Rating scales, discriminability, and information transmission. Psychol. Rev., 1960, 67, 343-352.
267. Garner, W. R. Uncertainty and structure as psychological concepts. New York: Wiley, 1962.

268. Garner, W. R. To perceive is to know. Amer. Psychologist, 1966, 21, 11-19.
269. Garner, W. R. & Carson, D. H. A. Multivariate solution of the redundancy of printed English. Psychol. Rep., 1960, 6, 123-141.
270. Garner, W. R. & Clement, D. E. Goodness of pattern and pattern uncertainty. J. verb. Learn. verb. Behav., 1963, 2, 446-452.
271. Garner, W. R. & Creelman, C. D. Effect of redundancy and duration on absolute judgments of visual stimuli. J. exp. Psychol., 1964, 67, 168-172.
272. Garner, W. R. & Hake, H. W. The amount of information in absolute judgments. Psychol. Rev., 1951, 58, 446-459.
273. Garner, W. R., Kaplan, G. & Creelman, C. D. Effect of stimulus range, duration, and contrast on absolute judgments of visual size. Percept. mot. Skills, 1966, 22, 635-644.
274. Garner, W. R. & Lee, W. An analysis of redundancy in perceptual discrimination. Percept. mot. Skills, 1962, 15, 367-388.
275. Garner, W. R. & McGill, W. J. The relation between information and variance analysis. Psychometrika, 1956, 21, 219-228.
276. Garner, W. R. & Whitman, J. R. Form and amount of internal structure as factors in free recall learning of non-sense words. J. verb. Learn. verb. Behav., 1965, 4, 257-266.
277. Garvey, W. D. Operator performance as a function of the statistical encoding of stimuli. J. exp. Psychol., 1957, 54, 109-114.
278. Geldard, F. A. Adventures in tactile literacy. Amer. Psychologist, 1957, 12, 115-124.
279. Geldard, F. A. Some neglected possibilities of communication. Science, 1960, 131, 1583-1588.
280. Geldard, F. A. Cutaneous channels of communication. In Rosenblith, W. A. (Ed.) Sensory communication. New York: Wiley, 1961, 73-87.

281. Geldard, F. (Ed.). Communication processes. New York: Pergamon Press, 1965.
282. Gelfand, S. Effects of prior associations and task complexity upon the identification of concepts. Psychol. Rep., 1958, 1, 567-574.
283. Gilbert, N. E. Information theory after 18 years. Science, 1966, 152, 320-326.
284. Glanzer, M. & Clark, W. H. Accuracy of perceptual recall: An analysis of organization. J. verb. Learn. verb. Behav., 1963, 1, 289-299.
285. Glanzer, M. & Clark, W. H. The verbal loop hypothesis: Binary numbers. J. verb. Learn. verb. Behav., 1963, 2, 301-309.
286. Glaser, R. & Schwarz, P. A. Scoring problem-solving test items by measuring information. Educ. psychol. Measmt., 1954, 14, 665-670.
287. Glorazky, A. Determination of redundancies in a set of patterns. IRE trans. on info. Theory, 1956, IT-2, 151-153.
288. Goldberg, Susan & Roby, T. B. Information acquisition in a pattern identification problem. USAF Tech. Doc. Rep. No. ESD-TDR-63-141, July 1963, 39pp.
289. Goldman-Eisler, Frieda. The predictability of words in context and the length of pauses in speech. Lang. Speech, 1958, 1, 226-231.
290. Goldman-Eisler, Frieda. Speech production and the predictability of words in context. Quart. J. exp. Psychol., 1958, 10, 96-106.
291. Goldman-Eisler, Frieda. Hesitation and information in speech. In Cherry, C. (Ed.) Information theory - fourth London symposium. London: Butterworths, 1961, 162-173.
292. Good, I. J. The population frequencies of species and the estimation of population parameters. Biometrika, 1953, 40, 237-264.
293. Grant, D. A. Information theory and the discrimination of sequences in stimulus events. In McMillan, B., Grant, D. A., Fitts, P. M., et al. Current trends in information theory. Pittsburgh: University of Pittsburgh Press, 1953, 18-46.

294. Grant, D. A. The discrimination of sequences in stimulus events and the transmission of information. Amer. Psychologist, 1954, 9, 62-68.
295. Green, R. T. & Curtis, M. C. Information theory and figure perception: The metaphor that failed. Acta Psychol., 1966, 25, 12-36.
296. Gregg, L. W. The effect of stimulus complexity on discriminative responses. J. exp. Psychol., 1954, 48, 289-297.
297. Griew, S. Age changes and information loss in performance of a pursuit tracking task involving interrupted preview. J. exp. Psychol., 1958, 55, 486-489.
298. Griew, S. Information gain in tasks involving different stimulus-response relationships. Nature, 1958, 182, 1819.
299. Griew, S. Age, information transmission and the positional relationship between signals and responses in the performance of a choice task. Ergonomics, 1964, 7, 267-278.
300. Grignetti, M. C. A note on the entropy of words in printed English. Info. Control, 1964, 7, 304-306.
301. Hake, H. W. A note on the concept of "channel capacity" in psychology. In Quastler, H. (Ed.) Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 248-253.
302. Hake, H. W. The perception of frequency of occurrence and the development of "expectancy" in human experimental subjects. In Quastler, H. (Ed.) Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 257-277.
303. Hake, H. W. & Eriksen, C. W. Effect of number of permissible response categories on learning of a constant number of visual stimuli. J. exp. Psychol., 1955, 50, 161-167. (See also USAF WADC Tech. Rep. 54-163, April 1954, 26pp.)
304. Hake, H. W. & Garner, W. R. The effect of presenting various numbers of discrete steps on scale reading accuracy. J. exp. Psychol., 1951, 42, 358-366.

305. Hake, H. W. & Hyman, R. Perception of the statistical structure of a random series of binary symbols. J. exp. Psychol., 1953, 45, 64-74.
306. Halsey, Rita M. A comparison of three methods for color scaling. J. opt. Soc. Amer., 1954, 44, 199-206.
307. Halsey, Rita M. & Chapanis, A. On the number of absolutely identifiable spectral hues. J. opt. Soc. Amer., 1951, 41, 1057-1058.
308. Hammerton, M. A note on the application of information theory to studies of tracking behavior. Quart. J. exp. Psychol., 1965, 17, 261-263.
309. Hanawalt, N. G. & Diepenbrock, Elaine C. Verbal context and meaning in immediate and delayed recall. J. gen. Psychol., 1965, 73, 125-135.
310. Handel, S. & Garner, W. R. The structure of visual pattern associates and pattern goodness. Percept. & Psychophys., 1966, 1, 33-38.
311. Hanes, R. M. & Rhoades, M. V. Color identification as a function of extended practice. J. opt. Soc. Amer., 1959, 49, 1060-1064.
312. Harrah, D. Communication: A logical model. Cambridge, Mass.: M.I.T. Press, 1963.
313. Hartman, E. B. The influence of practice and pitch-distance between tones on the absolute identification of pitch. Amer. J. Psychol., 1954, 67, 1-14.
314. Hawkes, G. R. Cutaneous communication: Absolute identification of electrical intensity level. J. Psychol., 1960, 49, 203-212. (See also: Communication by electrical stimulation of the skin: I. Absolute identification of stimulus intensity level. USA MRL Rep. No. 400, Sept. 1960, 18pp.)
315. Hawkes, G. R. Absolute identification of duration. Percept. mot. Skills, 1961, 13, 203-209. (See also: Communication by electrical stimulation of the skin: VI. The effect of intensity level and stimulus spacing on information transmitted via stimulus duration. USA MRL Rep. No. 492, Aug. 1961, 9pp.)
316. Hawkes, G. R. Information transmitted via electrical cutaneous stimulus duration. J. Psychol., 1961, 51, 293-298. (See also: Communication by electrical stimulation of the skin: V. Absolute identification of duration. USA MRL Rep. No. 448, Oct. 1960, 8pp.)

317. Hawkes, G. R. Predictability of multidimensional absolute identifications from information transmitted with uni-dimensional stimuli. J. Psychol., 1962, 54, 309-316.
318. Hawkes, G. R. & Warm, J. S. Maximum I_t for absolute identification of cutaneous electrical intensity level. J. Psychol., 1960, 49, 279-288. (See also: Communication by electrical stimulation of the skin: III. Maximum I_t for absolute identification of current intensity level. USA MRL Rep. No. 410, Dec. 1959, 13pp.)
319. Hawkins, C. K. & Lanzetta, J. T. Uncertainty, importance and arousal as determinants of pre-decisional information search. Psychol. Rep., 1965, 17, 791-800.
320. Haygood, R. C. & Bourne, L. E., Jr. Forms of relevant stimulus redundancy in concept identification. J. exp. Psychol., 1964, 67, 392-397.
321. Hellyer, S. Stimulus-response coding and amount of information as determinants of reaction time. J. exp. Psychol., 1963, 65, 521-522.
322. Herdan, G. Language as choice and chance. Groningen: P. Nordhoff, 1956.
323. Herman, L. M. Study of the single channel hypothesis and input regulation within a continuous simultaneous task situation. Quart. J. exp. Psychol., 1965, 17, 37-46.
324. Hershman, R. L. & Hillix, W. A. Data processing in typing: Typing rate as a function of kind of material and amount exposed. Human Factors, 1965, 7, 483-491
325. Hick, W. E. Information theory and intelligence tests. Brit. J. Psychol., 1951, 4, 157-164.
326. Hick, W. E. On the rate of gain of information. Quart. J. exp. Psychol., 1952, 4, 11-26.
327. Hick, W. E. Information theory in psychology. IRE trans. on info. Theory, 1953, PGIT-1, 130-133.
328. Hick, W. E. The impact of information theory on psychology. Advanc. Science, 1954, 40, 397-402.

329. Hick, W. E. Some miscellanea on information theory and the human operator. In Draper, J. (Ed.). The application of information theory to human operator problems. W.R. (D) Rep. No. 2/56, Ministry of Supply, England, 1956, 75-82.
330. Hidano, T. & Shiba, S. Reaction time and redundancy of stimulus sequence. Jap. Psychol. Res., 1960, 2, 60-66.
331. Hilgendorf, L. Information input and response time. Ergonomics, 1966, 9, 31-38.
332. Hillix, W. A. Visual pattern identification as a function of fill and distortion. J. exp. Psychol., 1960, 59, 192-197.
333. Hillix, W. A. & Coburn, R. Human factors in keyset design. USN NEL Rep. 1023, March 1961, 58pp.
334. Hochberg, J. E. & Brooks, V. The psychophysics of form: Reversible-perspective drawings of spatial objects. Amer. J. Psychol., 1960, 73, 337-354.
335. Hochberg, J. E. & McAlister, E. A quantitative approach to figural "goodness." J. exp. Psychol., 1953, 46, 361-364.
336. Hockett, C. F. An approach to the quantification of semantic noise. Phil. Science, 1952, 19, 257-261.
337. Hockett, C. F. A review of Shannon and Weaver: the mathematical theory of communication. Language, 1953, 29, 69-93.
338. Hodge, M. H. The influence of irrelevant information upon complex visual discriminations. J. exp. Psychol., 1959, 57, 1-5.
339. Hodge, M. H. & Riege, W. H. Individual response patterns in binary choice tasks with nondiscriminable stimuli. Percept. & Psychophys., 1966, 1, 421-425.
340. Hogan, J. A. Copying redundant messages. J. exp. Psychol., 1961, 62, 153-157.

341. Holding, D. H. Information theory in psychology. In Draper, J. (Ed.). The application of information theory to human operator problems. W. R. (D) Rep. No. 2/56, Ministry of Supply, England, 1956, 54-70.
342. Holding, D. H. Rates of handling continuous information. London: Air Ministry, Flying Personnel Research Committee Rep. FPRC 1068, April 1959, 5pp. (AD No. 239031)
343. Honigfeld, Alfreda R. Radar symbology: A literature review. Tech. Memo. 14-64, Human Engineering Labs., Aberdeen Proving Ground, Maryland, Sept. 1964, 99pp.
344. House, A. S., Stevens, K. N., Sandel, T. T. & Arnold, Jane B. On the learning of speechlike vocabularies. J. verb. Learn. verb. Behav., 1962, 1, 133-143.
345. Houston, J. P., Garskof, B. E. & Silber, D. E. The informational basis of judged complexity. J. gen. Psychol., 1965, 72, 277-284.
346. Hoveland, C. I. A "communication analysis" of concept learning. Psychol. Rev., 1952, 59, 461-472.
347. Hoveland, C. I. & Weiss, W. Transmission of information concerning concepts through positive and negative instances. J. exp. Psychol., 1953, 45, 175-182.
348. Howe, E. S. Uncertainty and other associative correlates of Osgood's D_4 . J. verb. Learn. verb. Behav., 1965, 4, 498-509.
349. Howe, M. J. A. Consolidation of word sequences as a function of rehearsal time and contextual constraint. Psychon. Sci., 1966, 4, 363-364.
350. Howell, W. C. On the heterogeneity of stimulus and response elements in the processing of information. J. exp. Psychol., 1962, 63, 235-243.
351. Howell, W. C. & Briggs, G. E. Information input and processing variables in man machine systems: A review of the literature. USN Tech. Rep. NAVTRADEVCEEN 508-1, Oct. 1959, 70pp.

352. Howell, W. C. & Kreidler, D. L. Information processing under contradictory instructional sets. J. exp. Psychol., 1963, 65, 39-46.
353. Howes, D. H. On the relation between intelligibility and frequency of occurrence of English words. J. acoust. Soc. Amer., 1957, 29, 296-305.
354. Howes, D. H. & Osgood, C. E. On the combination of associative probabilities in linguistic contexts. Amer. J. Psychol., 1954, 67, 241-258.
355. Hughes, I. M. Crossman's confusion-function and multi-choice discrimination. Quart. J. exp. Psychol., 1964, 16, 177-180.
356. Hunt, E. B. Concept learning. New York: John Wiley & Sons, 1962.
357. Hyman, L. M. & Kaufman, H. Information and the memory span. Percept. & Psychophys., 1966, 1, 235-237.
358. Hyman, R. Stimulus information as a determinant of reaction times. J. exp. Psychol., 1953, 45, 188-196.
359. Imai, S. & Garner, W. R. Discriminability and preference for attributes in free and constrained classification. J. exp. Psychol., 1965, 69, 596-608.
360. IRE Standards. Information theory: Definition of terms. Proc. IRE, 1958, 46, 1646-1648.
361. Jackson, W. (Ed.) Communication theory. New York: Academic Press, 1953.
362. Jacobson, H. The informational capacity of the human ear. Science, 1950, 112, 143-144.
363. Jacobson, H. The informational capacity of the human eye. Science, 1951, 113, 292-293.
364. Jacobson, H. Information and the human ear. J. acoust. Soc. Amer., 1951, 23, 462-471.
365. Jeantheau, G. The differential effects of speed and load stress on task performance. USAF WADC Tech. Rep. 59-7, July 1959, 13pp.

366. Jones, A., Wilkinson, Jean H. & Graden, Ina. Information deprivation as a motivational variable. J. exp. Psychol., 1961, 62, 126-137.
367. Jones, Margaret H. & Carterette, E. C. Redundancy in children's free-reading choices. J. verb. Learn. verb. Behav., 1963, 2, 489-493.
368. Judd, B. R. & Sutherland, N. S. The informational content of nonsequential messages. Info. Control, 1959, 2, 315-332.
369. Julez, B. & Guttman, N. Higher-order statistics and short-term auditory memory. Paper B15, Proc. 5th Intern. Congr. Acoust., Belgium 1965, 4 pp.
370. Kaufman, H. & Lamb, J. Choice reaction and unequal stimulus frequencies in an absolute judgment situation. Percept. & Psychophys., 1966, 1, 385-388.
371. Kaufman, H. & Levy, R. M. A further test of Hick's law with unequally likely alternatives. Percept. mot. Skills, 1966, 22, 967-970.
372. Kay, H. Information theory in the understanding of skills. Occup. Psychol., 1957, 31, 218-224.
373. Kay, H. Channel capacity and skilled performance. In Geldard, F. (Ed.). Defence Psychology. New York: Pergamon Press, 1962, 161-168.
374. Kemeny, J. G. A logical measure function. J. symbolic Logic, 1953, 18, 289-308.
375. King, D. J. Contextual constraint and retroaction in verbal material. J. gen. Psychol., 1966, 75, 39-63.
376. King, D. J. & Cofer, C. N. Retroactive interference in meaningful material as a function of the degree of contextual constraint in the original and interpolated learning. J. gen. Psychol., 1960, 63, 145-158.
377. Klemmer, E. T. The information content of polar coordinates. USAF AFRCRC-TR-54-54, Oct. 1954, 12pp.

378. Klemmer, E. T. The rate of handling information: The effect of forced intermittancy in a key pressing task. USAF AFCRC-TR-54-53, Dec. 1954, 8p.
379. Klemmer, E. T. Tables for computing information measures. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 71-82.
380. Klemmer, E. T. Time uncertainty in simple reaction time. J. exp. Psychol., 1956, 51, 179-184.
381. Klemmer, E. T. Discrete tracking in one and two dimensions. USAF AFCRC-TN-56-2, April 1956, 9pp.
382. Klemmer, E. T. Simple reaction time as a function of time uncertainty. J. exp. Psychol., 1957, 54, 195-200.
383. Klemmer, E. T. A further study of information transmission with matrix patterns. USAF AFCRC-TN-57-1, Sept. 1957, 6p.
384. Klemmer, E. T. Numerical error checking. J. appl. Psychol., 1959, 43, 316-320.
385. Klemmer, E. T. Coordinality--A measure of man-machine coupling. IRE trans. on human factors in Electronics. 1960, HFE-1, 72-73.
386. Klemmer, E. T. Dynamic factors in force judgment. Percept. mot. Skills, 1960, 11, 39-42.
387. Klemmer, E. T. The perception of all patterns produced by a seven-line matrix. J. exp. Psychol., 1961, 61, 274-282.
388. Klemmer, E. T. Communication and human performance. Human Factors, 1962, 4, 75-79.
389. Klemmer, E. T. Perception of linear dot patterns. J. exp. Psychol., 1963, 65, 468-473.
390. Klemmer, E. T. Does recoding from binary to octal improve the perception of binary patterns. J. exp. Psychol., 1964, 67, 19-21.

391. Klemmer, E. T. & Frick, F. C. Assimilation of information from dot and matrix patterns. J. exp. Psychol., 1953, 45, 15-19.
392. Klemmer, E. T. & Loftus, J. P. Numerals, nonsense forms, and information. USAF AFRCG-TR-57-2, Feb. 1958, 22pp.
393. Klemmer, E. T. & Muller, P. F., Jr. The rate of handling information: Key pressing responses to light patterns. USAF HFORL Memo. Rep. No. 34, March 1953, 11pp.
394. Knowles, W. B., Garvey, W. D. & Newlin, E. P. The effect of speed and load on display control relationships. J. exp. Psychol., 1953, 46, 65-75.
395. Knowles, W. B. & Newlin, E. P. Reduction coding in responding to signal sequences. J. appl. Psychol., 1957, 4, 257-262. (See also: Coding by groups as a mode of stimulus presentation. USN NRL Rep. 4604, Sept. 1955, 11pp.)
396. Kochen, M. & Galanter, E. H. The acquisition and utilization of information in problem-solving and thinking. Info. Control, 1958, 1, 267-288.
397. Kraehenbuehl, D. & Coons, E. Information as a measure of the experience of music. J. aesthetics & art Criticism, 1959, 17, 510-522.
398. Krulee, G. K. Information theory and man-machine systems. J. operat. res. Soc. Amer., 1954, 2, 320-328.
399. Krulee, G. K. Some informational aspects of form discrimination. J. exp. Psychol., 1958, 55, 143-149.
400. Krulee, G. K., Podell, J. E. & Ronco, P. G. Effect of number of alternatives and set on the visual discrimination of numerals. J. exp. Psychol., 1954, 48, 75-80.
401. Krulee, G. K. & Sinclair, E. J. Some behavioral implications of information theory. USN NRL Rep. No. 4119, Feb. 1953, 11pp.
402. Krulee, G. K. & Weisz, A. Studies in visual discrimination of multiple unit displays. J. exp. Psychol., 1955, 50, 316-324.
403. Kuethe, J. L. & Eriksen, C. W. Personality, anxiety, and muscle tension as determinants of response stereotypy. J. abnorm. soc. Psychol., 1957, 54, 400-404.

404. Kulback, S. Information theory and statistics. New York: Wiley, 1959.
405. Lachman, R. & Fischhoff, W. H. A computer algorithm for estimating nonsequential information transmission in recognition and recall. Psychon. Monogr. Suppl., 1966, 1, (Whole No. 16), 299-304.
406. Lachman, R. & Tuttle, A. V. Approximations to English (AE) and short-term memory: Construction or storage? J. exp. Psychol., 1965, 70, 386-393.
407. Laffal, J. Response faults in word association as a function of response entropy. J. abnorm. soc. Psychol., 1955, 50, 265-270.
408. Laffal, J. Changes in the language of a schizophrenic patient during psychotherapy. J. abnorm. soc. Psychol., 1961, 63, 422-427.
409. Laffal, J. & Feldman, S. The structure of free speech. J. verb. Learn. verb. Behav., 1963, 2, 498-503.
410. Lamb, J. C. & Kaufman, H. Information transmission with unequally likely alternatives. Percept. mot. Skills, 1965, 21, 255-259.
411. Laming, D. R. J. A statistical test of a prediction from information theory in a card sorting situation. Quart. J. exp. Psychol., 1962, 14, 38-48.
412. Laming, D. R. J. A new interpretation of the relation between choice-reaction time and the number of equiprobable alternatives. Brit. J. math. stat. Psychol., 1966, 19, 139-149.
413. Lanzetta, J. T. Information acquisition in decision making. In Harvey, O. J. (Ed.) Motivation and social interaction. New York: Ronald Press, 1963.
414. Lanzetta, J. T. & Kanareff, V. T. Information cost, amount of payoff, and level of aspiration as determinants of information seeking in decision making. Behav. Sci., 1962, 7, 459-473.
415. Lanzetta, J. T. & Roby, T. E. Effects of work-group structure and certain task variables on group performance. J. abnorm. soc. Psychol., 1956, 53, 307-314.

416. Lanzetta, J. T. & Sieber, Joan. Predecisional information processes: Some determinants of information acquisition prior to decision making. In Hunt, D. P. & Zink, D. L. (Eds.) Predecisional processes in decision making: Proceedings of a symposium. USAF AMRL-TDR-64-77, Dec. 1964, 125-171.
417. Lawson, E. A. A note on the influence of different orders of approximation to the English language upon eye-voice span. Quart. J. exp. Psychol., 1961, 13, 53-55.
418. Learner, D. B. & Alluisi, E. A. Comparison of four methods of encoding elevation information with complex line-inclination symbols. USAF WADC-TN-56-485, Nov. 1956, 21pp.
419. Leary, R. W., Harlow, H. F., Settlage, P. H. & Greenwood, D. D. Performance on double-alternation problems by normal and brain-inspired monkeys. J. comp. physiol. Psychol., 1952, 45, 576-584.
420. Leonard, J. A. Factors which influence channel capacity. In Quastler, H. (Ed.) Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 306-314.
421. Leonard, J. A. The effects of "machine" lag on a serial choice task with balance and biased input frequencies. Ergonomics, 1958, 2, 44-51.
422. Leonard, J. A. Partial advance information in a choice reaction task. Brit. J. Psychol., 1958, 49, 89-96.
423. Leonard, J. A. Tactual choice reactions: I. Quart. J. exp. Psychol., 1959, 11, 76-83.
424. Leonard, J. A. Choice reaction time experiments and information theory. In Cherry, C. (Ed.) Information theory - fourth London symposium. London: Butterworths, 1961, 137-145.
425. Leuba, H. R. & Schneider, E. P. Tables of $p \log_2 p$. ARINC Res. Corp. Publ. No. 267-02-1-384, 1963.
426. Levy, R. M. The effects of stimulus dimensionality on information processing. In Proceedings of the 73rd annual convention of the American psychological association. Washington, D. C.: American Psychological Association, 1965, 47-48.

427. Lewis, A. & Kanareff, Vera T. Use of auto correlation and uncertainty measures for the analysis of decision behavior. USAF WADC-TR-59-434, Aug. 1959, 34pp.
428. Lincoln, R. S. & Alexander, L. T. Preferred patterns of motor and verbal responses. J. exp. Psychol., 1955, 50, 106-112.
429. Lindsay, P. H., Cuddy, Lola L. & Tulving, E. Absolute judgments of simultaneously presented visual and auditory stimuli. Psychon. Sci., 1965, 2, 211-213.
430. Linfoot, E. H. An informational measure of correlation. Info. Control, 1957, 1, 85-89.
431. Lloyd, K. E. & Johnston, W. A. Short-term retention as a function of contextual constraint. J. exp. Psychol., 1963, 64, 460-467.
432. Lockhead, G. R. Effects of dimensional redundancy on visual discrimination. J. exp. Psychol., 1966, 72, 95-104.
433. Lockhead, G. R. Visual discrimination and methods of presenting redundant stimuli. In Proceedings of the 74th annual convention of the American psychological association. Washington, D. C.: American Psychological Association, 1966, 67-68.
434. Long, Barbara H. Predecisional search in concept formation: The effects of problem complexity. Psychol. Rec., 1965, 15, 197-202.
435. Lordahl, D. S. Concept identification using simultaneous auditory and visual signals. J. exp. Psychol., 1961, 62, 283-290.
436. Lounsbury, F. G. Sequential psycholinguistics. In Osgood, C. E. & Sebeok, T. E. (Eds.) Psycholinguistics: A survey of theory and research problems. J. abnorm. soc. Psychol., 1954, 49, suppl., 93-125. (Reprinted under the same title by Indiana University Press, Bloomington, Indiana, 1965.)
437. Lowenschuss, O. A comment on pattern redundancy. IRE trans. on info. Theory, 1958, IT-4, 127 (correspondence).
438. Luce, R. D. The theory of selective information and some of its behavioral implications. In Luce, R. D. (Ed.) Developments in mathematical psychology. Glencoe, Illinois: Free Press, 1960, 3-119.

439. MacGinitie, W. H. Contextual constraints in English prose paragraphs. J. Psychol., 1961, 51, 121-130.
440. MacKay, D. M. Quantal aspects of scientific information. Phil. Mag., 1950, 41, 289-311. (Reprinted in IRE trans. on Info. Theory, 1953, PGIT-1, 60-80.)
441. MacKay, D. M. In search of basic symbols. In Foerster, H.v (Ed.) Transactions of the eight conference on cybernetics. New York: Josiah Macy, Jr. Foundation, 1952, 181-221. (Discussion pp. 191-221).
442. MacKay, D. M. The nomenclature of information theory. In Foerster, H.v (Ed.) Transactions of the eight conference on cybernetics. New York: Josiah Macy, Jr. Foundation, 1952, 222-235. (Also in IRE trans. on info. Theory, 1953, PGIT-1, 9-21.)
443. MacKay, D. M. Generators of information. In Jackson, W. (Ed.) Communication theory. New York: Academic Press, 1953, 475-483.
444. MacKay, D. M. The place of "meaning" in the theory of information. In Cherry, C. (Ed.) Information theory - third London symposium. London: Butterworths, 1956, 215-224.
445. MacKay, D. M. The informational analysis of questions and commands. In Cherry, C. (Ed.) Information theory - fourth London symposium. London: Butterworths, 1961, 469-476.
446. MacKay, D. M. Information theory and human information systems. In Cohen, J. (Ed.) Readings in psychology. London: Allen & Unwin, 1964, 214-235.
447. Mackenzie, K. D. The information theoretic entropy function as a total expected participation index for communication network experiments. Psychometrika, 1966, 31, 249-254.
448. MacDonald, D. K. C. Information theory and its application to taxonomy. J. appl. Physics, 1952, 23, 529-531.
449. Mandelbrot, B. An informational theory of the statistical structure of language. In Jackson, W. (Ed.) Communication theory. New York: Academic Press, 1953, 486-499.
450. Mandelbrot, B. Simple games of strategy occurring in communication through natural languages. IRE trans. on info. Theory, 1954, PGIT-3, 124-137.

451. Marks, M. R. & Jack, O. Verbal context and memory span for meaningful material. Amer. J. Psychol., 1952, 65, 298-300.
452. McCulloch, W. S. Information in the head. In McMillan, B., Grant, D. A., Fitts, P. M., et al. Current trends in information theory. Pittsburgh: University of Pittsburgh Press, 1953, 92-118.
453. McGill, W. J. Multivariate transmission of information and its relation to analysis of variance. USAF HFORL Rep. No. 32, 1953, 19pp.
454. McGill, W. J. Multivariate information transmission. Psychometrika, 1954, 19, 97-116. (Also in IRE trans. on info. Theory, 1954, PGIT-4, 1954, 93-111.)
455. McGill, W. J. Serial effects in auditory threshold judgments. J. exp. Psychol., 1957, 53, 297-303.
456. McGill, W. J. Isomorphism in statistical analysis. In Quastler, H. (Ed.) Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 56-62.
457. McGill, W. J. & Quastler, H. Standardized nomenclature: An attempt. In Quastler, H. (Ed.) Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 83-92.
458. McMillan, B. Mathematical aspects of information theory. In McMillan, B., Grant, D. A., Fitts, P. M., et al. Current trends in information theory. Pittsburgh: University of Pittsburgh Press, 1953, 1-17.
459. McMillan, B., Grant, D. A., Fitts, P. M., et al. Current trends in information theory. Pittsburgh: University of Pittsburgh Press, 1953.
460. McNulty, J. A. An analysis of recall and recognition processes in verbal learning. J. verb. Learn. verb. Behav., 1965, 4, 430-436.
461. McNulty, J. A. The measurement of "adopted chunks" in free recall learning. Psychon. Sci., 1966, 4, 71-72.
462. Messick, D. M. & Rapoport, A. A comparison of two payoff functions on multiple-choice behavior. J. exp. Psychol., 1965, 69, 75-83.

463. Messick, D. M. & Rapoport, A. Expected value and response uncertainty in multiple-choice decision behavior. J. exp. Psychol., 1965, 70, 224-230.
464. Messick, D. M. & Rapoport, A. A supplementary study of response uncertainty and relative value in multiple-choice decision behavior. Psychon. Sci., 1966, 4, 143-144.
465. Mewhort, D. J. Sequential redundancy and letter spacing as determinants of tachistoscopic recognition. Canad. J. Psychol., 1966, 20, 435-444.
466. Meyer, L. B. Meaning in music and information theory. J. aesthetics & art Criticism, 1957, 15, 412-424.
467. Michon, J. A. Temporal structure of letter groups and span of perception. Quart. J. exp. Psychol., 1964, 16, 232-240.
468. Michon, J. A. A note on the measurement of perceptual motor load. Ergonomics, 1964, 7, 461-464.
469. Michon, J. A. Studies on subjective duration. II: Subjective time measurement during tasks with different information content. Acta Psychol., 1965, 24, 205-212.
470. Michon, J. A. Tapping regularity as a measure of perceptual motor load. Ergonomics, 1966, 9, 401-412.
471. Miller, G. A. Language engineering. J. acoust. Soc. Amer., 1950, 22, 720-725.
472. Miller, G. A. Speech and language. In Stevens, S. S. (Ed.) Handbook of experimental psychology. New York: Wiley, 1951, 789-810.
473. Miller, G. A. Language and communication. New York: McGraw-Hill, 1951.
474. Miller, G. A. What is information measurement? Amer. Psychologist, 1953, 8, 3-11.
475. Miller, G. A. Information theory and the study of speech. In McMillan, B., Grant, D. A., Fitts, P. M., et al. Current trends in information theory. Pittsburgh: University of Pittsburgh Press, 1953, 119-139.

476. Miller, G. A. Communication. Ann. Rev. Psychol., 1954, 5, 401-420.
477. Miller, G. A. Note on the bias of information measures. In Quastler, H. Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 95-100.
478. Miller, G. A. The magical number seven, plus or minus two. Psychol. Rev., 1956, 63, 81-97.
479. Miller, G. A. Information and memory. Scient. Amer., 1956, 195, 42-46.
480. Miller, G. A. Human memory and the storage of information. IRE trans. on info. Theory, 1956, IT-2, 1956, 129-137.
481. Miller, G. A. Free recall of redundant strings of letters. J. exp. Psychol., 1958, 56, 485-491.
482. Miller, G. A., Bruner, J. S., & Postman, L. Familiarity of letter sequences and tachistoscopic recognition. J. gen. Psychol., 1954, 50, 129-139.
483. Miller, G. A. & Chomsky, N. Finitary models of language. In Luce, R. D., Bush, R. R. & Galanter, E. (Eds.) Handbook of mathematical psychology. Vol. II. New York: Wiley & Sons, 1963, 419-492.
484. Miller, G. A. & Frick, F. C. Statistical behavioristics and sequences of responses. Psychol. Rev., 1949, 56, 311-324.
485. Miller, G. A. & Friedman, Elizabeth A. The reconstruction of mutilated English texts. Info. Control, 1957, 1, 36-55.
486. Miller, G. A., Heise, G. A. & Lichten, W. The intelligibility of speech as a function of the context of the test materials. J. exp. Psychol., 1951, 41, 329-335.
487. Miller, G. A. & Isard, S. Free recall of self-embedded English sentences. Info. Control, 1964, 7, 292-303.
488. Miller, G. A. & Madow, W. G. On the maximum likelihood estimate of the Shannon-Wilner measure of information. USAF AFRCRC-TR-51 75, Aug. 1954, 22pp.

489. Miller, G. A. & Newman, E. B. Tests of a statistical explanation of the rank-frequency relation for words written in English. Amer. J. Psychol., 1958, 71, 209-218.
490. Miller, G. A., Newman, E. B. & Friedman, Elizabeth A. Length-frequency statistics for written English. Info. Control, 1958, 1, 370-389.
491. Miller, G. A. & Nicely, P. E. An analysis of perceptual confusions among some English consonants. J. acoust. Soc. Amer., 1955, 27, 338-352.
492. Miller, G. A. & Selfridge, J. A. Verbal context and the recall of meaningful material. Amer. J. Psychol., 1950, 63, 176-185.
493. Miller, H. & Bieri, J. An informational analysis of clinical judgment. J. abnorm. soc. Psychol., 1963, 67, 317-325.
494. Miller, I. Perception of nonsense passages in relation to amount of information and speech-to-noise ratio. J. exp. Psychol., 1957, 53, 388-393.
495. Miller, J. G. Information input overload and psychopathology. Amer. J. Psychiatry, 1960, 116, 695-704.
496. Minton, H. L. A replication of perceptual curiosity as a function of stimulus complexity. J. exp. Psychol., 1963, 66, 522-524.
497. Mirabella, A. & Lamb, J. C. Computer based adaptive training applied to symbolic displays. Percept. mot. Skills, 1966, 23, 647-661.
498. Moles, A. Information theory and esthetic perception. (Translated from the French edition (1958) by J. E. Cohen) Urbana: University of Illinois Press, 1966.
499. Montague, W. E. Effect of irrelevant information on a complex auditory discrimination task. J. exp. Psychol., 1965, 69, 230-236.

500. Moon, J. W. A note on "pattern variants on a square field." Psychometrika, 1963, 28, 93-95.
501. Moray, N. Cultural differences in statistical approximations to English. Psychon. Sci., 1966, 5, 467-468.
502. Moray, N., Bates, A. & Barnett, T. Experiments on the four-eared man. J. acoust. Soc. Amer., 1965, 38, 196-201.
503. Moray, N. & Taylor, Anne M. The effect of redundancy in shadowing one of two dichotic messages. Lang. Speech, 1958, 1, 102-109.
504. Morin, R. E. & Forrin, B. Mixing of two types of S-R associations in a choice reaction time task. J. exp. Psychol., 1962, 64, 137-141.
505. Morin, R. E. & Forrin, B. Response equivocation and reaction time. J. exp. Psychol., 1963, 66, 30-36.
506. Morin, R. E. & Forrin, B. Information-processing: Choice reaction times of first- and third-grade students for two types of associations. Child Develop., 1965, 36, 13-20.
507. Morin, R. E., Forrin, B. & Archer, W. Information processing behavior: The role of irrelevant stimulus information. J. exp. Psychol., 1961, 61, 89-96.
508. Morin, R. E., Konick, A. Troxell, N. & McPherson, S. Information and reaction time for "naming" responses. J. exp. Psychol., 1965, 70, 309-314.
509. Morrisette, J. O. & Pearson, W. H. Prediction of behavior under conditions of uncertainty. J. exp. Psychol., 1963, 65, 391-397.
510. Morton, J. The effects of context upon speed of reading, eye-movements and eye-voice span. Quart. J. exp. Psychol., 1964, 16, 340-354.

511. Mosel, J. M. & Grossnickle, L. F. Associative learning and differential information in knowledge of results. Psychol. Rep. 1963, 13, 381-382.
512. Mowbray, G. H. Choice reaction times for skilled responses. Quart. J. exp. Psychol., 1960, 12, 193-202.
513. Mowbray, G. H. Some remarks concerning Erebner and Gordon's paper "Ensemble size and selective response times with a constant signal rate." Quart. J. exp. Psychol., 1962, 14, 117-118.
514. Mowbray, G. H. & Rhoads, M. V. On the reduction of choice reaction times with practice. Quart. J. exp. Psychol., 1959, 11, 16-23.
515. Muller, P. F., Jr. Efficiency of verbal versus motor responses in handling information encoded by means of colors and light patterns. USAF WADC-TR-55-472, Dec. 1955, 15pp.
516. Muller, P. F., Jr., Sidorsky, R. C., Silvinske, A. J., Alluisi, E. A. & Fitts, P. M. The symbolic coding of information on cathode ray tubes and similar displays. USAF WADC-TR-55-375, Oct. 1965, 123p.
517. Munsinger, H. & Kessen, W. Uncertainty, structure, and preference. Psychol. Monogr., 1964, 78 (Whole No. 586).
518. Munsinger, H. Kessen, W. & Kessen, Marion L. Age and uncertainty: Developmental variation in reference for variability. J. exp. Child. Psychol., 1964, 1, 1-15.
519. Munson, W. A. & Karlin, J. E. Measurement of human channel transmission characteristics. J. acoust. Soc. Amer., 1954, 26, 542-553.
520. Murphy, L. E. Absolute judgements of duration. J. exp. Psychol., 1966, 71, 260-263.
521. Neimark, Edith D. Information-gathering in diagnostic problem-solving: A preliminary report. Psychol. Rec., 1961, 11, 243-248.

522. Newbrough, J. R. Interaction between total stimulus information and specific stimulus information in visual recognition. J. exp. Psychol., 1958, 55, 297-300.
523. Newman, E. B. Computational methods useful in analyzing series of binary data. Amer. J. Psychol., 1951, 64, 252-262.
524. Newman, E. B. The pattern of vowels and consonants in various languages. Amer. J. Psychol., 1951, 64, 369-379.
525. Newman, E. B. Men and information: A psychologist's view. Nuovo Cimento, 1959, 13, 539-559.
526. Newman, E. B. & Gerstman, L. J. A new method for analyzing printed English. J. exp. Psychol., 1952, 44, 114-125.
527. Newman, E. B. & Waugh, Nancy C. The redundancy of texts in three languages. Info. Control, 1960, 3, 141-153.
528. Newman, K. M., Coburn, R. & McMahan, R. C. Experimental study of binary coded keysets. USN NEL Rep. 1137, Sept. 1962, 26pp.
529. Newman, K. M. & Davis, Anne R. Non-redundant color, brightness, and flashing rate encoding of geometric symbols on a visual display. J. eng. Psychol., 1962, 1, 47-67.
530. Nicholson, R. M. Maximum information-handling rates for sequentially presented visual stimuli. Human Factors, 1962, 6, 367-373.
531. Nickerson, R. S. A note on the concept of uncertainty as applied in psychological research. USAF ESD-TR-65-222, Oct. 1965, 8pp.
532. Nickerson, R. S. & Duva, J. S. Target position as a coding dimension. USAF AFCCDD-TR-60-41, Nov. 1960, 20pp.
533. Nicol, M. A. & Miller, K. M. Word redundancy in written English. Aust. J. Psychol., 1959, 11, 81-91

534. Noble, M. E. & Bahrick, H. P. Response generalization as a function of intratask response similarity. J. exp. Psychol., 1956, 51, 405-412.
535. North, J. D. Application of communication theory to the human operator. In Cherry, C. (Ed.) Information theory-third London symposium. London: Butterworths, 1956, 372-389. (Also in Draper, J. (Ed.). The application of information theory to human operator problems. W. R. (D) Rep. No. 2/56, Ministry of Supply, England, 1956, 19-36.
536. Nye, P. W. An investigation of audio outputs for a reading machine. American Foundation for the Blind, Res. Bull. No. 10, July 1965, 70pp.
537. Ohnishi, S. The recognition of letter sequences with different orders of approximation to the Japanese language: On the eye-voice span. Jap. Psychol. Res., 1962, 4, 43-47.
538. O'Neill, E. L. Graininess and entropy. J. opt. Soc. Amer., 1958, 48, 945-947.
539. Oostlander, Arie, M. & de Swart, H. Search-discrimination time and the applicability of information theory. J. exp. Psychol., 1966, 72, 423-428.
540. Operations Applications Laboratory. Tables for computing informational measures. USAF AFRCRC Tech. Rep. 54-50. 1954, 38pp.
541. Osborne, J. W., Quastler, H. & Tweedell, K. S. Human performance in information transmission. Part III: Scale reading. Rep. R-68, Control Systems Lab., University of Illinois, Oct. 1955.
542. Osgood, C. E. Fidelity and reliability. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 374-384.

543. Osgood, C. E. & Sebeok, T. A. (Eds.). Psycholinguistics: A survey of theory and research problems. J. abnorm. soc. Psychol., 1954, 49, suppl., 203pp. (Reprinted under the same title by Indiana University Press, Bloomington, Indiana, 1965.)
544. Osler, Sonia F. & Kofsky, E. Stimulus uncertainty as a variable in the development of conceptual ability. J. exp. Child Psychol., 1965, 2, 264-279.
545. Paisley, W. J. The effects of authorship, topic, structure, and time of composition on letter redundancy in English texts. J. verb. learn. verb. Behav., 1966, 5, 28-34.
546. Parks, J. R. Prediction and entropy of half-tone pictures. Behav. Sci., 1965, 10, 436-445.
547. Payne, B. A descriptive theory of information. Behav. Sci., 1966, 4, 295-305.
548. Payne, B. The relationship between a measure of organization for visual patterns and their judged complexity. J. verb. Learn. verb. Behav., 1966, 5, 338-343.
549. Pearson, W. H. Estimation of a correlation coefficient from an uncertainty measure. Psychometrika, 1966, 31, 421-433.
550. Peterson, C. & Ulehla, Z. J. Uncertainty, inference difficulty, and probability learning. J. exp. Psychol., 1964, 67, 523-530.
551. Peterson, G. E. Applications of information theory to research in experimental phonetics. J. speech hear. Disord., 1952, 17, 175-188.
552. Pierce, J. R. Symbols, signals, and noise. New York: Harper & Row, 1961.
553. Pierce, J. R. & Karlin, J. E. Reading rates and the information rate of a human channel. Bell sys. tech. J., 1957, 36, 497-516. (For a preliminary report see Information rate of a human channel. Proc. IRE, 1957, 45, 368.)
554. Pinkerton, R. G. Information theory and melody. Scient. Amer., 1956, 194, 77-86.

555. Pollack, I. The information of elementary auditory displays. J. acoust. Soc. Amer., 1952, 24, 745-749.
556. Pollack, I. The assimilation of sequentially-encoded information: 1. Methodology and an illustrative experiment. USAF HRRL Memo. Rep. No. 25, Sept. 1952, 27pp.
557. Pollack, I. The assimilation of sequentially-encoded information: 2. Effect of rate of information presentation. USAF HRRL Memo. Rep. No. 25, Sept. 1952, 20pp.
558. Pollack, I. The assimilation of sequentially-encoded information: 3. Serial position analysis. USAF HRRL Memo. Rep. No. 25, Sept. 1952, 15pp.
559. Pollack, I. The assimilation of sequentially-encoded information: 4. The informational contribution of wrong responses. USAF HRRL Memo. Rep. No. 25, Sept. 1952, 9pp.
560. Pollack, I. The information of elementary auditory displays. II. J. acoust. Soc. Amer., 1953, 25, 765-769.
561. Pollack, I. Assimilation of sequentially encoded information. Amer. J. Psychol., 1953, 66, 421-435.
562. Pollack, I. The assimilation of sequentially-encoded information: 5. Binary-encoded materials. USAF HFORL Rep. TR-54-5, Jan. 1954, 11pp.
563. Pollack, I. Method of reproduction and the identification of elementary auditory displays. J. acoust. Soc. Amer., 1954, 26, 1060-1063.
564. Pollack, I. Visual noise filtering by human operators: I. Sequentially encoded information. USAF AFRCRC-TR-54-57, Jan. 1955, 32pp.
565. Pollack, I. Identification and discrimination of components of elementary auditory displays. J. acoust. Soc. Amer., 1956, 28, 906-909.
566. Pollack, I. Message uncertainty and message reception. J. acoust. Soc. Amer., 1959, 31, 1500-1508.
567. Pollack, I. Speed of classification of words into superordinate categories. J. verb. Learn. verb. Behav., 1963, 2, 159-165.

568. Pollack, I. Message probability and message reception. J. acoust. Soc. Amer., 1964, 36, 937-945.
569. Pollack, I. Ohm's acoustical law and short-term auditory memory. J. acoust. Soc. Amer., 1964, 36, 2340-2345.
570. Pollack, I. & Decker, L. R. Confidence ratings, message reception, and the receiver operating characteristic. J. acoust. Soc. Amer., 1958, 30, 286-292.
571. Pollack, I. & Ficks, L. Information of elementary multi-dimensional auditory displays. J. acoust. Soc. Amer., 1954, 26, 155-158.
572. Pollack, I. & Klemmer, E. T. The assimilation of visual information from linear dot patterns. USAF AFCRC-TR-54-16, July 1954, 11pp.
573. Pollack, I. & Klemmer, E. T. Visual noise filtering by the human operator. II. Linear dot patterns in noise. USAF AFCRC-TR-54-15, July 1954, 12pp.
574. Pollack, I., Pickett, J. M. & Sumby, W. H. On the identification of speakers by voice. J. acoust. Soc. Amer., 1954, 26, 403-406.
575. Posner, M. I. Uncertainty as a predictor of similarity in the study of generalization. J. exp. Psychol., 1964, 68, 113-118.
576. Posner, M. I. Information reduction in the analysis of sequential tasks. Psychol. Rev., 1964, 71, 491-504.
577. Posner, M. I. Memory and thought in human intellectual performance. Brit. J. Psychol., 1965, 56, 197-215.
578. Posner, M. I. Components of skilled performance. Science, 1966, 152, 1712-1718.
579. Posner, M. I. & Rossman, E. Effect of size and location of informational transforms upon short-term retention. J. exp. Psychol., 1965, 70, 496-505.
580. Postman, L. & Adams, P. A. Studies in incidental learning: VII. The effects of contextual determination. J. exp. Psychol., 1960, 59, 153-164.
581. Price, R. H. & Eriksen, C. W. Size constancy in schizophrenia: A reanalysis. J. abnorm. Psychol., 1966, 71, 155-160.

582. Prokhnovnik, A. J. Pattern variants on a square field. Psychometrika, 1959, 24, 329-341.
583. Prywes, N. S. Data processing aspects of some psychological experiments. Percept. mot. Skills, 1961, 12, 155-160.
584. Pylyshyn, Z. W. & Agnew, N. Absolute judgment of distance as a function of anxiety and exposure time. Percept. mot. Skills, 1962, 14, 411-418.
585. Quastler, H. (Ed.). Essays on the use of information theory in biology. Urbana: University of Illinois Press, 1953.
586. Quastler, H. Information theory in psychology. Glencoe, Illinois: Free Press, 1955.
587. Quastler, H. Human performance in information transmission: I. General remarks. Rep. R-62, Control Systems Lab., University of Illinois, March 1955, 5-16.
588. Quastler, H. Approximate estimation of information measures. In Quastler, H. (Ed.) Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 124-139.
589. Quastler, H. Information theory terms and their psychological correlates. In Quastler, H. (Ed.) Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 143-171.
590. Quastler, H. Three survey papers. Rep. R-71, Control Systems Lab., University of Illinois, 1956, 48pp.
591. Quastler, H. A survey of work done by the biosystems group of the control systems laboratory. In Quastler, H. Three survey papers. Rep. R-71, Control Systems Lab., University of Illinois, 1956, 5-12.
592. Quastler, H. Studies in human channel capacity. In Quastler, H. Three survey papers. Rep. R-71, Control Systems Lab., University of Illinois, 1956, 13-34. Also in Cherry, C. (Ed.) Information theory. London: Butterworths, 1956, 361-371.
593. Quastler, H. The informational limitations of decision-making. In Quastler, H. Three survey papers. Rep. R-71, Control Systems Lab., University of Illinois, 1956, 35-48.

594. Quastler, H. A primer on information theory. USA OORTM 56-1, Jan. 1956, 66pp. Also in Yockey, H. P. (Ed.). Symposium on information theory in biology. New York: Pergamon Press, 1958, 3-49.
595. Quastler, H. & Brabb, Betty. Human performance in information transmission. Part V. The force of habit. Rep. R-70, Control Systems Lab., University of Illinois, Jan. 1956, 27pp.
596. Quastler, H. & Wulff, V. J. Human performance in information transmission: II. Sequential tasks (overlearned activities). Rep. R-62, Control Systems Lab., University of Illinois, March 1955, 17-70.
597. Rabbitt, P. M. Stimulus information load and discriminability. Nature, 1963, 197, 726.
598. Rabbitt, P. M. A. Effects of independent variations on stimulus and response probability. Nature, 1959, 183, 1212.
599. Rabbitt, P. M. A. Ignoring irrelevant information. Brit. J. Psychol., 1964, 55, 403-414.
600. Raben, Margaret W. A survey of the literature on information processing. Institute for Psychol. Research, Tufts University, 1963, 72p.
601. Rajagopalian, K. R. A note on entropy of Kannada prose. Info. Control, 1965, 8, 640-644.
602. Rajski, C. A metric space of discrete probability distributions. Info. Control, 1961, 4, 371-377.
603. Ramakrishna, B. S. & Subramanian, R. Relative efficiency of English and German languages for communication of semantic content. IRE trans. on info. Theory, 1958, IT-4, 127-129 (correspondence).
604. Rappaport, M. Redundancy as a stimulus parameter in form recognition. In Wulfeck, J. W. & Taylor, J. H. (Eds.). Form discrimination as related to military problems. National Academy of Sciences-National Research Council Publication 561, 1957, 161-168.

605. Rappaport, M. The role of redundancy in the discrimination of visual forms. J. exp. Psychol., 1957, 53, 3-10.
606. Ratz, H. C. & Ritchie, D. K. Operator performance on a chord keyboard. J. appl. Psychol., 1961, 45, 303-308.
607. Reich, E. The game of "gossip" analyzed by the theory of information. Bull. math. Biophysics, 1951, 13, 313-318.
608. Reimer, B. Information theory and the analysis of musical meaning. Council res. mus. Educ., 1964, 2, 14-22.
609. Richards, D. L. & Swaffield, J. Measurement of the communication rate of a speech link - a preliminary appraisal of the problem. In Jackson, W. (Ed.) Communication theory. New York: Academic Press, 1953, 450-459.
610. Richardson, P. & Voss, J. F. Replication report: Verbal context and the recall of meaningful material. J. exp. Psychol., 1960, 60, 417-418.
611. Riekman, E. C., Glover, A. & McCluskey, E. J., Jr. Determination of redundancies in a set of patterns. IRE trans. on info. Theory, 1957, IT-3, 167-168 (correspondence: 2 comments and 2 replies).
612. Riesz, R. R. Human information transmission with sequences of sound pulses at different rates. Ergonomics, 1964, 7, 249-256.
613. Roby, T. B. Subtask phasing in small groups. In Criswell, Joan H., Solomon, H. & Suppes, F. Mathematical methods in small group processes. Stanford: Stanford University Press, 1962, 263-281.
614. Roby, T. B. Behavioral freedom and constraint. J. psychol. Studies, 1963, 14, 49-69.
615. Roby, T. B. & Low, Lorraine. Some task parameters in simple pattern recognition. Percept. mot. Skills, 1965, 21, 607-617.

616. Rogers, M. S. & Green, B. F. The moments of sample information when the alternatives are equally likely. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 101-107.
617. Ross, E. M. & Levy, N. A comparison of adjectival antonyms by simple card pattern formation. J. Psychol., 1960, 49, 133-137.
618. Ross, J. Informational coverage and correlational analysis. Psychometrika, 1962, 27, 297-306.
619. Rothstein, D. A. Psychiatric implications of information theory. Arch. gen. Psychiat., 1965, 13, 87-93.
620. Royer, F. L. Figural goodness and internal structure in perceptual discrimination. Percept. & Psychophys., 1966, 1, 311-314.
621. Royer, F. L. & Garner, W. R. Response uncertainty and perceptual difficulty of auditory temporal patterns. Percept. & Psychophys., 1966, 1, 41-47.
622. Rubenstein, H. & Aborn, M. Immediate recall as a function of degree of organization and length of study period. J. exp. Psychol., 1954, 48, 146-152.
623. Rubenstein, H. & Aborn, M. Psycholinguistics. Ann. Rev. Psychol., 1960, 11, 291-322.
624. Salzinger, K., Fortnoy, S. & Feldman, R. S. The effect of order of approximation to the statistical structure of English on the emission of verbal responses. J. exp. Psychol., 1962, 61, 52-57.
625. Samson, E. W. Fundamental natural concepts of information theory. USAF AFRCR, Rep. E5079, Oct. 1951, 25pp.
626. Schlesinger, I. M. Response uncertainty as a determinant of reaction time. Acta Psychol., 1964, 22, 52-59.
627. Schlesinger, I. M. Discriminability as a function of figure complexity. J. gen. Psychol., 1965, 73, 21-29.

628. Schlesinger, I. M. & Melkman, Rachel. The effect on choice-reaction time of stimulus information varied independently of transmitted information. J. gen Psychol., 1966, 74, 165-172.
629. Seibel, R. Performance on a five-finger chord keyboard. J. appl. Psychol., 1962, 46, 165-169.
630. Seibel, R. Discrimination reaction time as a function of the number of stimulus-response pairs and the self-pacing adjustment of the subject. Psychol. Monogr., 1962, 76(Whole No. 561.).
631. Seibel, R. Discrimination reaction time for a 1,023-alternative task. J. exp. Psychol., 1963, 66, 215-226.
632. Seibel, R. Data entry through chord, parallel entry devices. Human Factors, 1964, 6, 189-192.
633. Senders, J. W. Man's capacity to use information from complex displays. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 360-353.
634. Senders, Virginia L. Further analysis of response sequences in the setting of a psychophysical experiment. Amer. J. Psychol., 1953, 66, 215-228.
635. Senders, Virginia L. The effect of number of subjects on the estimate of transmitted information. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 369-372.
636. Senders, Virginia L. & Cohen, J. The effects of absolute and conditional probability distributions of instrument settings on scale reading: Repeated exposures of the same setting. USAF WADC-TR-54-253, Oct. 1954, 45pp.
637. Senders, Virginia L. & Cohen, J. Effect of sequential dependencies on instrument reading performance. J. exp. Psychol., 1955, 50, 66-74. (Also in The effects of sequential dependencies on instrument reading performance. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 282-289.)

638. Senders, Virginia L., Cohen, J. & Arginteanu, Mary. The effects of absolute and conditional probability distributions on instrument reading. II. A comparison of a linear and a logarithmic scale. USAF WADC-TR-54-253 Part 2, July 1955, 33 pp.
639. Senders, Virginia L. & Sowards, A. Analysis of response sequences in the setting of a psychophysical experiment. Amer. J. Psychol., 1952, 65, 358-374.
640. Sengstake, C. B. Perception of deviations in repetitive patterns. J. exp. Psychol., 1965, 70, 210-217.
641. Shaffer, H. L. Information rate necessary to transmit pitch-period durations for connected speech. J. acoust. Soc. Amer., 1964, 36, 1895-1900.
642. Shallice, T. & Vickers, D. Theories and experiments on discrimination times. Ergonomics, 1964, 7, 37-50.
643. Shannon, C. E. A mathematical theory of communication. Bell Sys. tech. J., 1948, 27, 379-423, 623-656. (Reprinted in Shannon, C. E. & Weaver, W. The mathematical theory of communication. Urbana: University of Illinois Press, 1949.)
644. Shannon, C. E. Prediction and entropy of printed English. Bell Sys. tech. J., 1951, 30, 50-64.
645. Shannon, C. E. The redundancy of English. In Foerster, H. v. (Ed.). Transactions of the seventh conference on cybernetics. New York: Josiah Macy, Jr. Foundation, 1951, 123-158 (Discussion pp. 126-158).
646. Sharp, H. C. Effect of contextual constraint upon recall of verbal passages. Amer. J. Psychol., 1958, 71, 568-572.
647. Shelly, A. W. Learning with reduced feedback information. J. exp. Psychol., 1961, 62, 209-222.
648. Shepard, R. N. Application of a trace model to the retention of information in a recognition task. Psychometrika, 1961, 26, 187-203.
649. Shepard, R. N. Production of constrained associates and the informational uncertainty of the constraint. Amer. J. Psychol., 1963, 76, 218-228.

650. Shepard, R. N., Hoveland, C. I. & Jenkins, H. M. Learning and memorization of classifications. Psychol. Monogr., 1961, 75 (Whole No. 517).
651. Shepard, R. N. & Teghtsoonian, Martha. Retention of information under conditions approaching a steady state. J. exp. Psychol., 1961, 62, 302-309.
652. Shinkman, P. G. Supplementary report: Perception of stimuli of varying dimensionality. J. exp. Psychol., 1961, 62, 626-627.
653. Shipstone, Eva I. Some variables affecting pattern conception. Psychol. Monogr., 1960, 17 (Whole No. 504).
654. Sidorsky, R. C. Absolute judgments of static perspective transformations. J. exp. Psychol., 1958, 56, 380-384.
655. Sieber, Joan E. & Lanzetta, J. T. Conflict and conceptual structure as determinants of decision-making behavior. J. Pers., 1964, 32, 622-641.
656. Sieber, Joan E. & Lanzetta, J. T. Some determinants of individual differences in predecision information-processing behavior. J. pers. soc. Psychol., 1966, 4, 561-571.
657. Simpson, W. E. Effects of approximation to sentence word-order and grammatical class upon the serial learning of word lists. J. verb. Learn. verb. Behav., 1965, 4, 510-514.
658. Singer, J. R. Information theory and the human visual system. J. opt. Soc. Amer., 1959, 49, 639-640.
659. Singh, S. Crosslanguage study of perceptual confusion of plosive phonemes in two conditions of distortion. J. acoust. Soc. Amer., 1966, 40, 635-656.
660. Singh, S. & Black, J. W. Study of twenty six intervocalic consonants as spoken and recognized by four language groups. J. acoust. Soc. Amer., 1966, 39, 372-380.
661. Siromoney, C. Entropy of Tamil prose. Info. Control, 1963, 6, 297-300.
662. Smith, R. P., Warm, J. S. & Allread, E. A. Effects of temporal uncertainty on watchkeeping performance. Percept. & Psychophys., 1966, 1, 293-299.

663. Solley, C. M. & Snyder, F. W. Information processing and problem solving. J. exp. Psychol., 1958, 55, 384-387.
664. Spigel, I. M. Lift reaction time and topographic compatibility of the S-R field. J. gen. Psychol., 1965, 72, 165-172.
665. Stager, P. Note on use of information concepts in the assessment of group structure. Percept. mot. Skills, 1966, 23, 239-242.
666. Staniland, A. Redundancy as an experimental variable. Quart. J. exp. Psychol., 1960, 12, 149-161.
667. Staniland, A. Redundancy in non-sequential patterns. Quart. J. exp. Psychol., 1964, 16, 134-146.
668. Staniland, A. Patterns of redundancy: A psychological study. Cambridge: Cambridge University Press, 1966.
669. Stone, G. C. & Callaway, E. Effects of stimulus probability on reaction time in a number-naming task. Quart. J. exp. Psychol., 1964, 16, 47-55.
670. Streufert, S. & Driver, M. J. Conceptual structure, information load and perceptual complexity. Psychon. Sci., 1965, 3, 249-250.
671. Streufert, S. & Schroder, H. M. Conceptual structure, environmental complexity, and task performance. J. exp. res. Pers., 1965, 1, 132-137.
672. Streufert, S., Suedfeld, P. & Driver, M. J. Conceptual structure information search, and information utilization. J. pers. soc. Psychol., 1965, 2, 736-740.
673. Stroud, J. M. The fine structure of psychological time. In Quastler, H. (Ed.) Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 174-205.
674. Stumpers, F. L. A bibliography of information theory (communication theory-cybernetics). IRE trans. on info. Theory, 1953, PGIT-2, 60pp. (Reprinted from MIT Res. Lab. of Electronics, Rep. USA Signal Corps. Contract No. DA36-039 sc-100, Project No. 8-102E-0, Jan. 1953, 46pp.)

675. Stumpers, F. L. Supplement to "A bibliography of information theory (communication theory-cybernetics)." IRE trans. on info. Theory, 1955, IT-1, 31-47.
676. Stumpers, F. L. A bibliography of information theory (communication theory-cybernetics) (second supplement). IRE trans. on info. Theory, 1957, IT-3, 150-166.
677. Stumpers, F. L. A bibliography of information theory (communication theory-cybernetics) (third supplement). IRE trans. on info. Theory, 1960, IT-6, 25-51
678. Suci, G. J., Davidoff, M. D. & Surwillo, W. W. Reaction time as a function of stimulus information and age. J. exp. Psychol., 1960, 60, 242-244.
679. Sumby, W. H. The control tower language: A case study of a specialized language-in-action. Lang. Speech, 1960, 3, 61-70.
680. Sumby, W. H., Chambliss, D. & Pollack, I. Information transmission with elementary auditory displays. J. acoust. Soc. Amer., 1958, 30, 425-429.
681. Sumby, W. H. & Pollack, I. Short-time processing of information. USAF HFORL Rep. TR-54-6, Jan. 1954, 12pp.
682. Summerfield, A. Codes and plans and organized behavior. Bull. Brit. Psychol. Soc., 1964, 17, 1-17.
683. Summerfield, A. Drugs and human behavior. Brit. Med. Bull., 1964, 20, 70-74.
684. Summerfield, A. & Legge, D. Information theory and perception. In Cohen, J. (Ed.) Readings in psychology. London: Allen & Unwin, 1964, 236-248. (For a condensed version see Bull. Brit. Psychol. Soc., 1962, 42, 23-28.
685. Swets, J. A., Harris, Judith R., McElroy, Linda S. & Rudloe, H. Further experiments on computer-aided learning of sound identification. USN NAVTRADEVGEN Tech. Rep. No. 789-2, April 1964, 46pp.

686. Swets, J. A., Harris, Judith R., McElroy, Linda S., & Rudloe, H. Computer-aided instruction in perceptual identification. Behav. Sci., 1966, 11, 98-104.
687. Swets, J. A., Millman, Susan H., Fletcher, W. E. & Green, D. M. Learning to identify nonverbal sounds: An application of a computer as a teaching machine. J. acoust. Soc. Amer., 1962, 34, 928-935. (See also: USN NAVTRADEVCECEN Tech. Rep. No. 782-1, April 1962, 42pp.).
688. Sziklai, G. C. Some studies in the speed of visual perception. IRE trans. on info. Theory, 1956, IT-2, 125-128.
689. Takada, Y. Reaction time and information in the discrimination of length of lines. Jap. Psychol. Res., 1960, 1(No. 9), 14-24.
690. Tanaka, Y. The use of the entropy measure, H, as an index of perceptual sign codability. Jap. Psychol. Res., 1964, 6, 38-45.
691. Tannenbaum, P. H., Williams, F. & Hillier, Carolyn S. Word predictability in the environments of hesitations. J. verb. Learn. verb. Behav., 1965, 4, 134-140.
692. Tanner, W. P., Jr. On the design of psychophysical experiments. In Quastler, H. (Ed.). Information theory in psychology. Glencoe, Illinois: Free Press, 1955, 403-414.
693. Tanner, W. P., Jr. Information theory and form discrimination. In Wulfeck, J. W. & Taylor, J. H. (Eds.). Form discrimination as related to military problems. National Academy of Sciences-National Research Council Publication 561, 1957, 18-22.
694. Tate, J. D. & Howell, W. C. Term expectation and uncertainty in human decision behavior. USAF AMRL-TDR-63-118, Nov. 1963, 18pp.
695. Taylor, Anne M. & Moray, N. Statistical approximations to English and French. Lang. Speech, 1960, 3, 7-10.

696. Teichner, W. H. Subjective information as a function of source information. Human Factors, 1964, 6, 241-252. (See also: Information processing under task stress. USAF ESD-TDR-63-657, Nov. 1963, 54pp.)
697. Teichner, W. H., Reilly, R. & Sadler, E. Effects of density on identification and discrimination in visual symbol perception. J. exp. Psychol., 1961, 61, 494-500.
698. Teichner, W. H. & Wagner, M. Visual after-images as a source of information. Human Factors, 1964, 6, 141-156.
699. Terwilliger, R. F. Free association patterns as a factor relating to semantic differential responses. J. abnorm. soc. Psychol., 1962, 65, 87-94.
700. Terwilliger, R. F. Pattern complexity and affective arousal. Percept. mot. Skills, 1963, 17, 387-395.
701. Thomas, A. & Solley, C. M. Search-discrimination time for missing stimulus information. J. exp. Psychol., 1963, 65, 501-506.
702. Thomas, H. B. G. Communication theory and the constellation hypothesis of calculation. Quart. J. exp. Psychol., 1963, 15, 173-191.
703. Thurmond, J. B. & Alluisi, E. A. Choice time as a function of stimulus dissimilarity and discriminability. Canad. J. Psychol., 1963, 17, 326-327.
704. Toda, M. Review of Wendell R. Garner, Uncertainty and structure as psychological concepts. Psychometrika, 1963, 28, 293-310.
705. Toda, M. & Takada, Y. Studies of information processing behavior. Psychologia, 1958, 1, 265-274.
706. Tolin, P. The influence of stimulus uncertainty in a reaction time situation. Psychon. Sci., 1966, 6, 473-474.
707. Traul, Gail N. & Black, J. W. The effect of context on aural perception of words. J. speech hear. Disord., 1965, 8, 363-369.

708. Treisman, Anne M. Contextual cues in selective listening. Quart. J. exp. Psychol., 1960, 12, 242-248.
709. Treisman, Anne. Verbal cues, language and meaning in selective attention. Amer. J. Psychol., 1964, 77, 206-219.
710. Treisman, Anne. Monitoring and storage of irrelevant messages in selective attention. J. verb. Learn. verb. Behav., 1964, 3, 449-459.
711. Treisman, Anne. Verbal responses and contextual constraints in language. J. verb. Learn. verb. Behav., 1965, 4, 118-128.
712. Tripathi, L. B. Information theory in contemporary psychology. Indian psychol. Rev., 1966, 2, 109-118.
713. Tripodi, T. & Bieri, J. Information transmission in clinical judgments as a function of stimulus dimensionality and cognitive complexity. J. Pers., 1964, 32, 119-
714. Trumbo, D., Noble, M. & Ulrich, L. Number of alternatives and sequence length in acquisition of a step-function tracking task. Percept. mot. Skills, 1965, 21, 563-569.
715. Tulving, E. Subjective organization in free recall of unrelated words. Psychol. Rev., 1962, 69, 344-354.
716. Tulving, E. Familiarity of letter sequences and tachistoscopic recognition. Amer. J. Psychol., 1963, 76, 143-146.
717. Tulving, E. & Gold, Cecille. Stimulus information and contextual information as determinants of tachistoscopic recognition of words. J. exp. Psychol., 1963, 66, 319-327.
718. Tulving, E. & Patkau, J. Concurrent effects of contextual constraint and word frequency on immediate recall and learning of verbal material. Canad. J. Psychol., 1962, 16, 83-95.
719. Tune, G. S. Sequential errors in a time-sharing task. Brit. J. Psychol., 1964, 55, 415-420.

720. Tune, G. S. Response preferences: A review of some relevant literature. Psychol. Bull., 1964, 61, 286-302.
721. Tune, G. S. A brief survey of variables that influence random generation. Percept. mot. Skills, 1964, 18, 705-710.
722. Tune, G. S. An experiment on the learning of redundancies. J. gen. Psychol., 1965, 72, 123-125.
723. Tune, G. S. The nonindependence of responses to a two-choice situation. J. gen. Psychol., 1965, 72, 173-178.
724. Turner, E. D., Santos, J. F. & Solley, C. M. Search-discrimination time and task difficulty. Percept. mot. Skills, 1962, 15, 719-724.
725. Van de Geer, J. P. Data presentation. In Geldard, F. (Ed.). Communication processes. New York, Pergamon, 1965, 21-43.
726. Venables, P. H. Stimulus complexity as a determinant of the reaction time of schizophrenics. Canad. J. Psychol., 1958, 12, 187-190.
727. Verplank, W. S., Collier, G. H. & Cotton, J. W. Nonindependence of successive responses in measurements of the visual threshold. J. exp. Psychol., 1952, 44, 273-282.
728. Vitz, P. C. Preferences for rates of information presented by sequences of tones. J. exp. Psychol., 1964, 68, 176-183.
729. Vitz, P. C. Affect as a function of stimulus variation. J. exp. Psychol., 1966, 71, 74-79.
730. Walker, C. M. & Bourne, L. E., Jr. The identifications of concepts as a function of amount of relevant and irrelevant information. Amer. J. Psychol., 1961, 74, 410-417.
731. Ward, W. D. Information and absolute pitch. J. acoust. Soc. Amer., 1953, 25, 833. (Abstract)

732. Warren, Patricia A. & Morin, R. E. Random generation: number of symbols to be randomized and time per response. Psychon. Sci., 1965, 3, 557-558.
733. Watanabe, S. Correlation indices. Nuovo Cimento, 1959, 13, 576-582.
734. Watanabe, S. Information theoretical analysis of multivariate correlation. IBM J. res. Dev., 1960, 4, 66-82.
735. Watanabe, S. Information-theoretical aspects of inductive and deductive inference. IBM J. res. Dev., 1960, 4, 208-231.
736. Watanabe, S. A note on the formation of concept and of association by information-theoretical correlation analysis. Info. Control, 1961, 4, 291-296.
737. Weaver, C. H. & Weaver, G. L. Information theory and the measurement of meaning. Speech Monogr., 1965, 32, 435-447.
738. Weaver, W. The mathematics of communication. Scient. Amer., 1949, 181, 11-15. (An expanded version appears in Shannon, C. E. & Weaver, W. The mathematical theory of communication. Urbana: University of Illinois Press. 1949.)
739. Webster, J. C. Information in simple multidimensional speech messages. J. acoust. Soc. Amer., 1961, 33, 940-944.
740. Webster, R. B. Distortion, fill and noise effects on pattern discrimination. Human Factors, 1966, 8, 147-155.
741. Webster, R. B. Stimulus characteristics and effects of fill, distortion, and noise on pattern perception. Percept. mot. Skills, 1966, 23, 19-33.
742. Weiss, R. L. On producing random responses. Psychol. Rep., 1964, 14, 931-941.
743. Weiss, R. L. "Variables that influence random generation": An alternative hypothesis. Percept. mot. Skills, 1965, 20, 307-310.

744. Weiss, W. & Ten Eyck, P. H. Effects on judgments of changes in the response scale. Psychol. Rep., 1960, 7, 487-495.
745. Welford, A. T. Aging and human skill. London: Oxford University Press, 1958.
746. Welford, A. T. The measurement of sensory-motor performance: Survey and reappraisal of twelve years progress. Ergonomics, 1960, 3, 189-230.
747. Welford, A. T. Age changes in the times taken by choice, discrimination and the control of movement. Gerontologia, 1961, 5, 129-145.
748. Wells, R. S. A measure of subjective information. In Jakobson, R. (Ed.) Twelfth symposium in applied mathematics. Providence, Rhode Island: American Mathematical Society, 1961, 237-244.
749. Wempe, T. & Baty, D. Usefulness of transinformation as a measure of human tracking performance. In second annual NASA-University conference on manual control. NASA SP-128, 1966, 111-129.
750. Wiegand, K. L. Information theory and human behavior: Uncertainty as a fundamental variable in information processing tasks. USAF AMRL-TDR-63-89. Oct. 1963, 92pp.
751. Wiener, N. Cybernetics, Cambridge, Mass.: M.I.T. Press, 1961 (2nd edition)
752. Wienke, R. E. Absolute judgments of light intensity. USAF AMRL-Tr-64-103, Oct. 1964, 9pp.
753. Willis, R. Estimating the scalability of a series of items--an application of information theory. Psychol. Bull., 1954, 51, 511-516.
754. Wilson, K. The information theory approach. In Osgood, C. E. & Sebeok, T. A. (Eds.). Psycholinguistics: A survey of theory and research problems. J. abnorm. soc. Psychol., 1954, 49, suppl., 35-49. (Reprinted under the same title by Indiana University Press, Bloomington, Indiana, 1965.)

755. Youngblood, J. E. Style as information. J. music Theory, 1958, 2, 24-35.
756. Zarembo, S. K. Remarks on feedback and open-chain following. In Cherry, C. (Ed.). Information theory-third London symposium. London: Butterworths, 1956, 389-393.

Security Classification	
DOCUMENT CONTROL DATA - R & D	
<small>(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)</small>	
1. ORIGINATING ACTIVITY (Corporate author)	2A. REPORT SECURITY CLASSIFICATION
Human Factors Engineering Information Analysis Center Institute for Psychological Research Tufts University, Medford, Mass.	Unclassified
2B. GROUP	
3. REPORT TITLE	
A BIBLIOGRAPHY ON THE USE OF INFORMATION THEORY IN PSYCHOLOGY (1948-1966)	
4. DESCRIPTIVE NOTES (Type of report and inclusive dates)	
5. AUTHOR(S) (First name, middle initial, last name)	
E. M. Johnson	
6. REPORT DATE	7A. TOTAL NO. OF PAGES
December 1967	76
7B. NO. OF REFS	
8A. CONTRACT OR GRANT NO.	9A. ORIGINATOR'S REPORT NUMBER(S)
DA-18-001-AMC-1004(X)	
8B. PROJECT NO.	9B. OTHER REPORT NO(S) (Any other numbers that may be assigned this report)
10. DISTRIBUTION STATEMENT	
This document has been approved for public release and sale; its distribution is unlimited.	
11. SUPPLEMENTARY NOTES	12. SPONSORING MILITARY ACTIVITY
	U. S. Army Human Engineering Laboratories Aberdeen Proving Ground, Md.
13. ABSTRACT	
<p>This bibliography contains 756 citations of work that has been done relevant to psychology in information theory. Information theory is distinguished from the broader disciplines of communication theory and cybernetics by the use of a particular measure of amount of information.</p>	

DD FORM 1473

REPLACES DD FORM 1473, 1 JAN 64, WHICH IS OBSOLETE FOR ARMY USE.

Security Classification